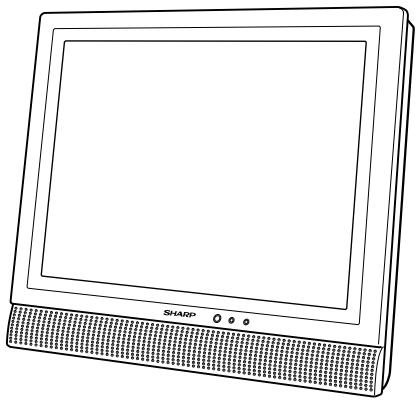
SHARP

SERVICE MANUAL

S72M8LC-13E1E



LCD COLOUR TELEVISION

MODELS **LC-13E1E**
LC-15E1E

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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SHARP CORPORATION

IMPORTANT SERVICE SAFETY PRECAUTION

■ **Service work should be perfomed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

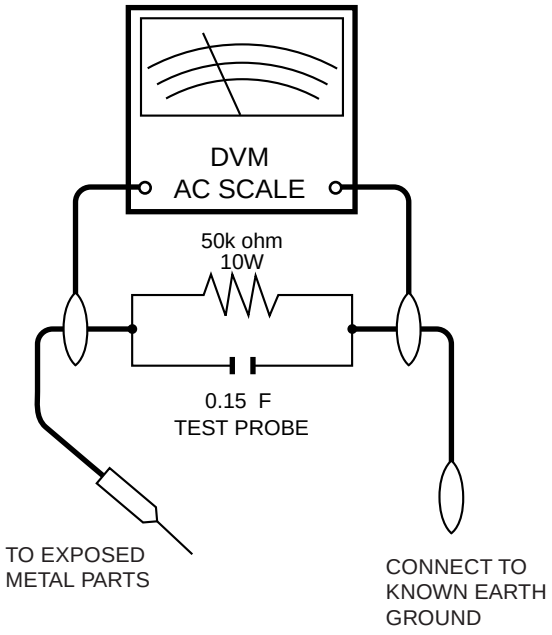
CAUTION: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE F1(1.25A, 250V), F2(1.25A, 250V), F6500 (1.25A, 250V) AND F6501 (1.25A, 250V) FUSE.

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 110~240 volt AC outlet, and connect the DC power cable into the receiver's DC jack. (Do not use an isolation transformer for this test).
- Using two clip leads, connect a 50k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resisor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.
  All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)
  Any reading of 0.75V peak (this corresponds to 0.5 milliamp. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

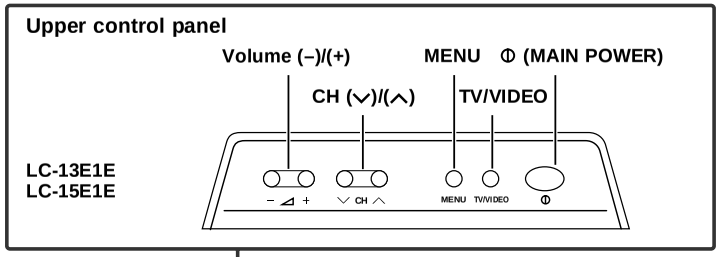
Many electrical and mechanical parts in LCD television have special safety-related characteristics.
These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " ⚠ " and shaded areas in the ***Replacement Parts Lists*** and ***Schematic Diagrams***.
For continued protection, replacement parts must be identical to those used in the original circuit.
The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

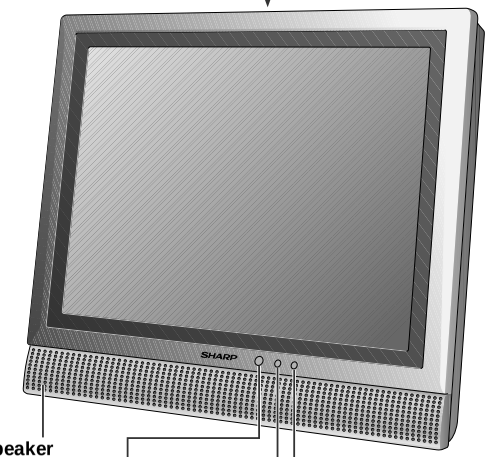
SPECIFICATIONS

Items		13" LCD COLOUR TV, Model:LC-13E1E	15" LCD COLOUR TV, Model:LC-15E1E
LCD panel		Advanced Super View & BLACK TFT LCD	
LCD panel size		13"	15"
Number of dots		921,600 dots	
Video colour system		PAL/SECAM/NTSC	
TV Function	TV-Standard (CCIR)	B/G, I, D/K, L	
	TV-Tuning System	Auto preset 200 ch.	
	STEREO/BILINGUAL	NICAM, IGR	
	AUTO PRESET	Yes	
	CATV	~Hyper Band	
Brightness		430 cd/m^2	
Lamp life		60,000 hours	
Viewing angles		H: 170° V: 170°	
Audio amplifier		2.1 W × 2	
Speakers		3× 7.5 cm 2 pcs.	
Terminals	AV-IN 1	RGB	
	AV-IN 2	S-VIDEO, VIDEO, AUDIO	
	OUT	AUDIO	
	Antenna	DIN	
	Headphones	3.5 mm ø jack (Rear)	
OSD language		English/German/French/Spanish/Italian/Swedish/Dutch	
Power requirement		DC12V, AC110V – 240V,50/60Hz	
Weight		3.8 kg	4.5 kg
Accessories		Operation Manual, Remote Control, Batteries, AC adapter, AC cord, Cable clamp	

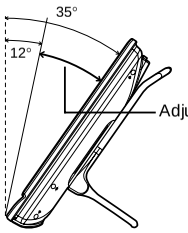
■ As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

Controls





The screen can be adjusted backwards to an angle between 12 degrees and 35 degrees. The screen cannot be set up straight. When changing the angle, make sure to hold the stand and adjust the screen to the best viewable angle.



Speaker

Remote sensor window

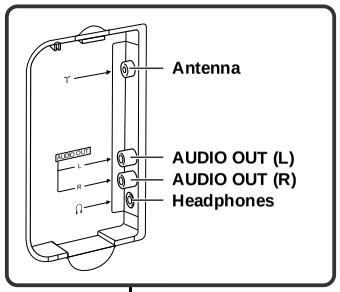
Remote sensor indicator
A red indicator blinks when the TV set receives the remote control signal.

POWER/STANDBY indicator
A green indicator lights when the power is on and a red indicator lights when in the standby mode (the indicator will not light when the main power is off).

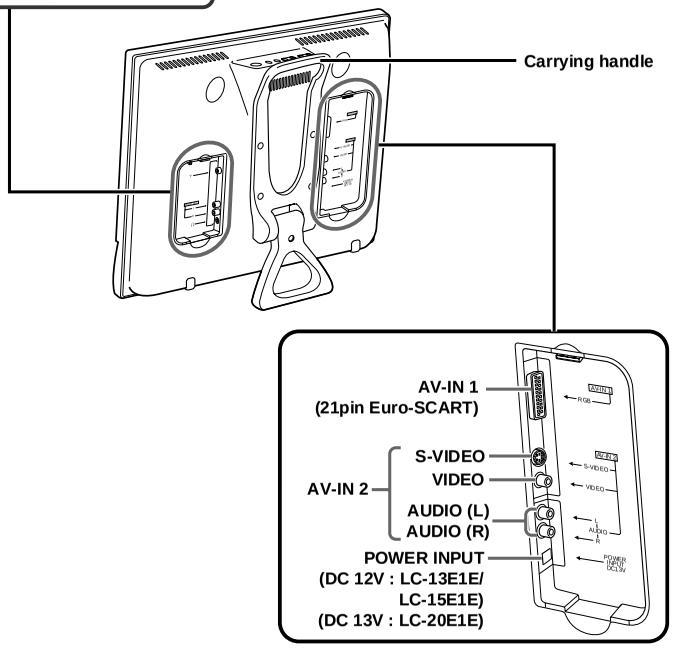
Note:

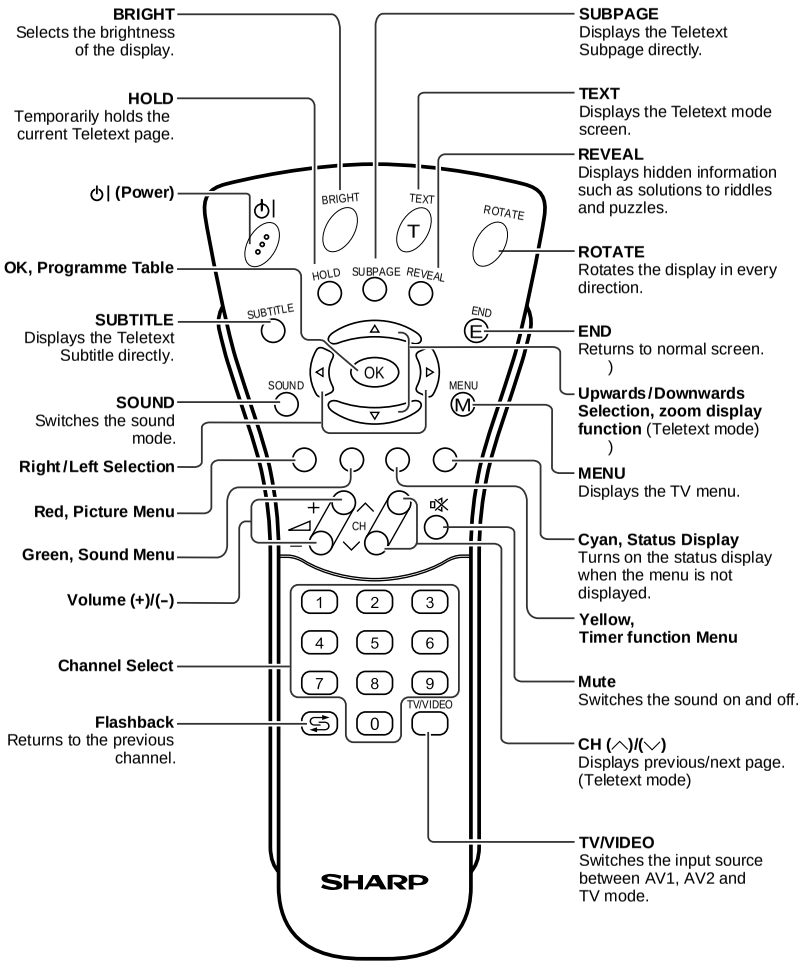
- **TV/VIDEO**, **CH(∨)/(∧)**, **Volume (–)/(+)** and **MENU** on the main unit have the same functions as the same buttons on the remote control. Fundamentally, this operation manual provides a description based on operation using the remote control.
- The LC-13E1E, LC-15E1E have different external dimensions and the positions where the names of the buttons are displayed also differ but the same operating procedures are followed for all three models.

Terminals



Rear view

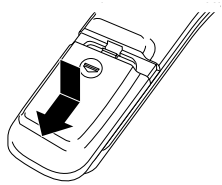




Installing Batteries in the Remote Control

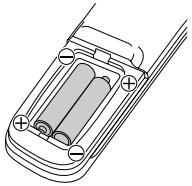
Before using the LCD TV set for the first time, install the two R-03 (“AAA” size, UM/SUM-4) batteries supplied in the remote control. When the batteries become depleted and the remote control fails to operate, replace the batteries with new R-03 (“AAA” size, UM/SUM-4) batteries.

1 Open the battery cover.



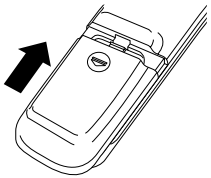
■ Slide the cover while pressing the (▼) part.

2 Insert two R-03 (“AAA” size, UM/SUM-4) batteries.



■ Position the positive and negative ends of the batteries as indicated in the compartment.

3 Replace the battery cover.



■ Engaging the lower claw with the remote control, close the cover.

⚠ Caution!

Precautions regarding batteries

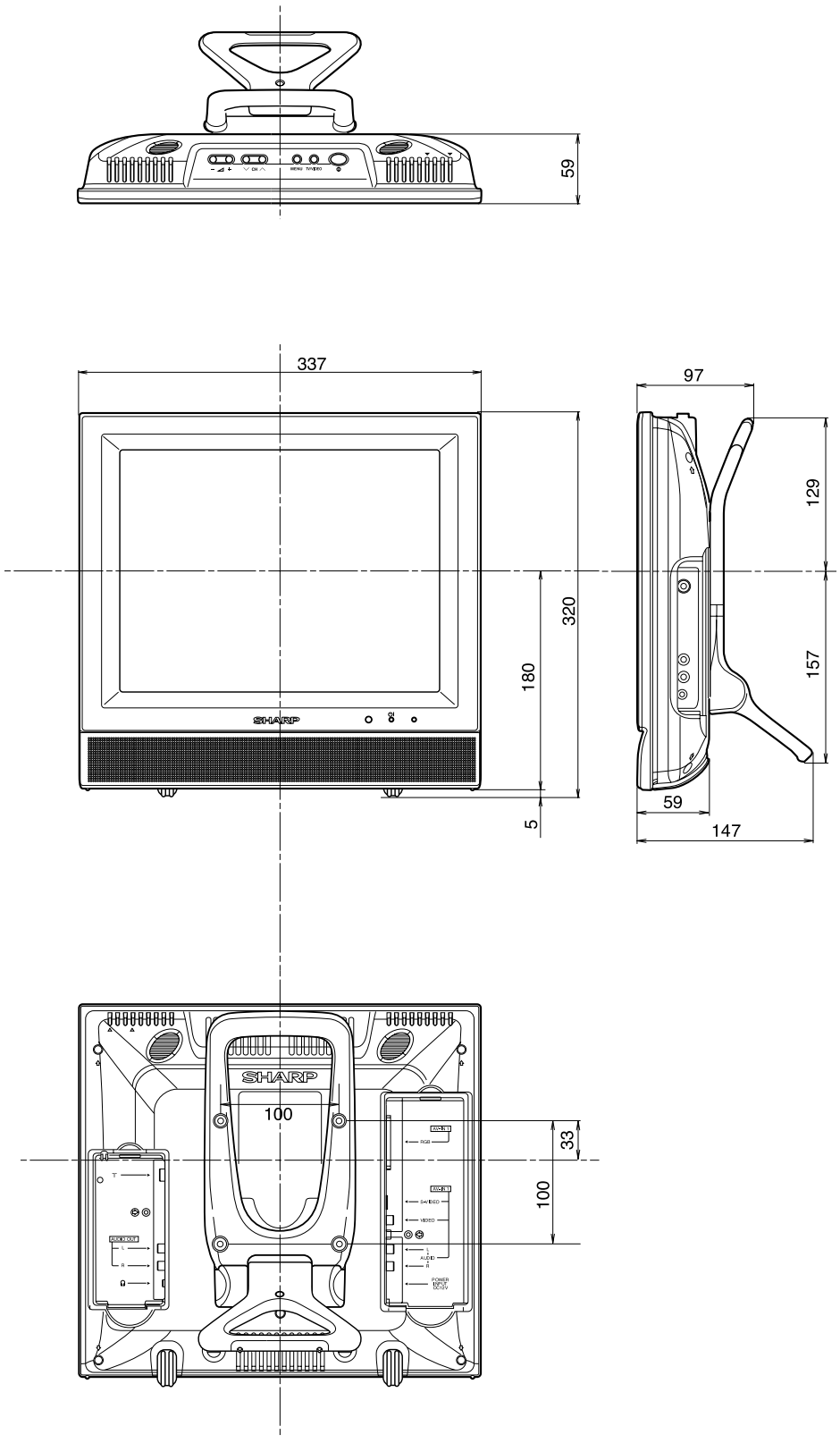
■ Improper use of batteries can result in a leakage of chemicals and/or explosion. Be sure to follow the instructions below.

- Place batteries with their terminals corresponding to the (+) and (–) indications.
- Different types of batteries have different characteristics. Do not mix batteries of different types.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries and/or cause old batteries to leak chemicals.
- Remove batteries as soon as they are depleted. Chemicals that leak from batteries can cause a rash. If chemical leakage is found, wipe it off with a cloth.
- The batteries supplied with the product may have a shorter life expectancy due to storage conditions.
- If the remote control is not to be used for an extended period of time, remove the batteries from the remote control.

DIMENSIONS

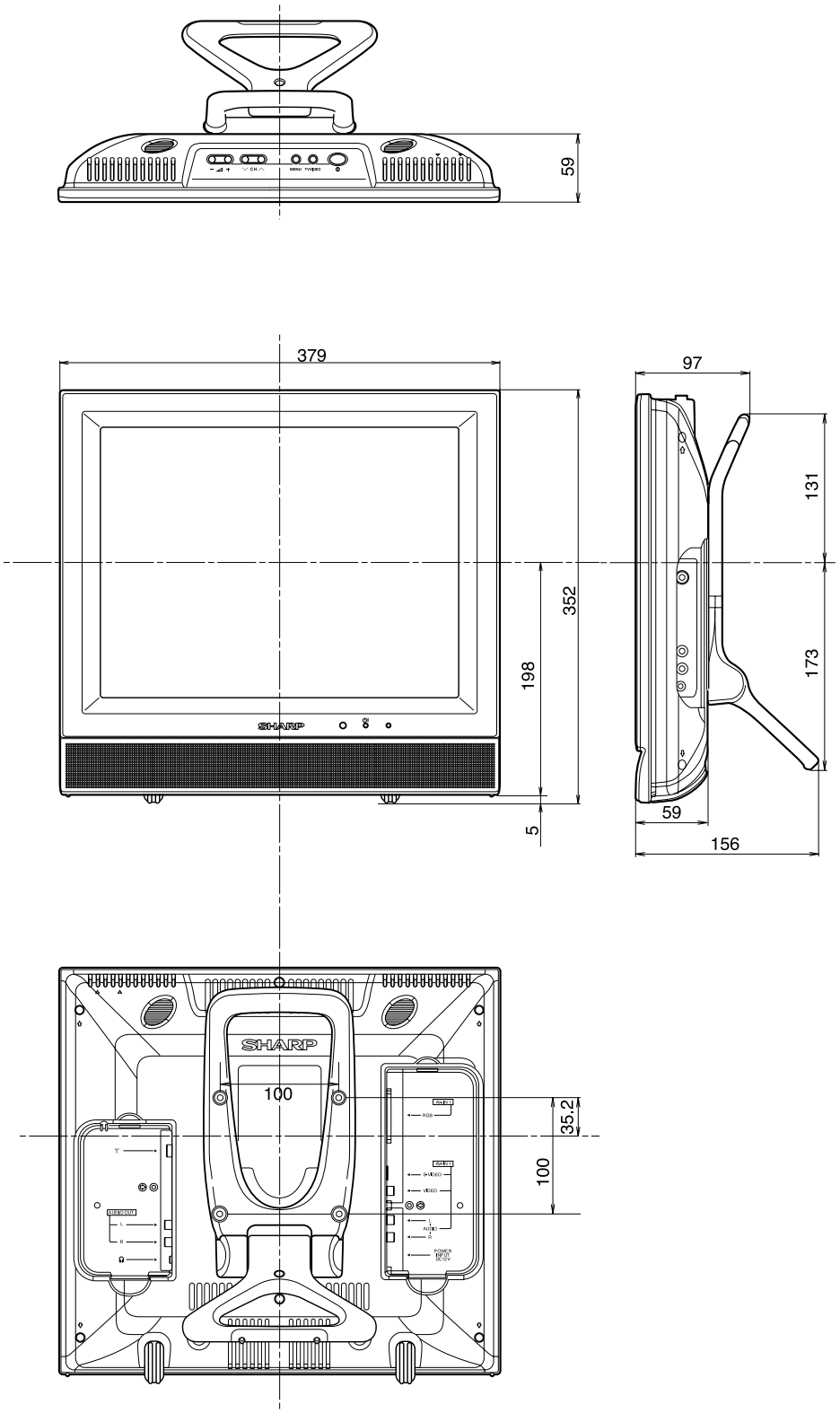
■ LC-13E1E

Unit: mm



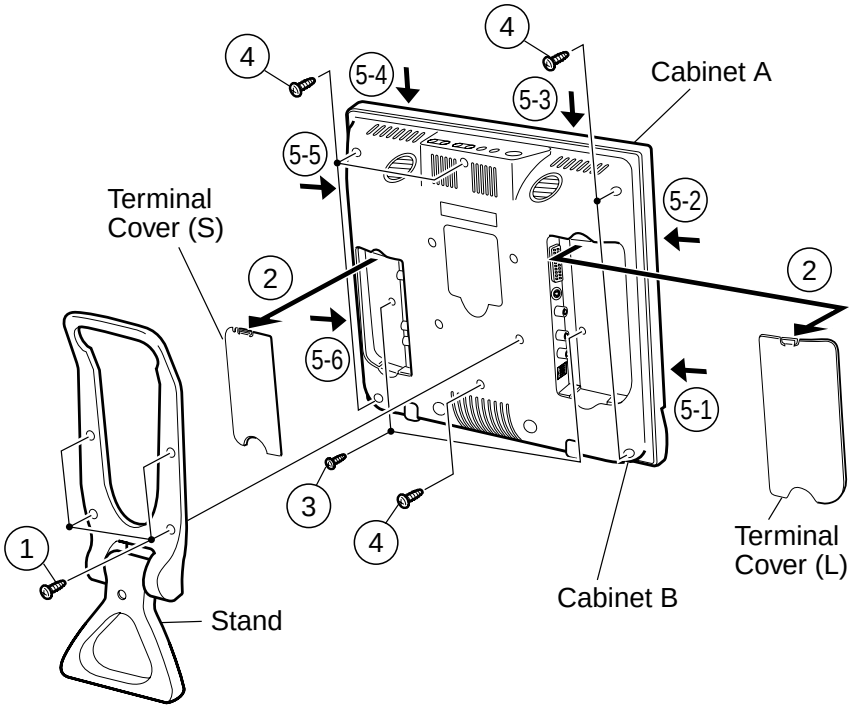
■ LC-15E1E

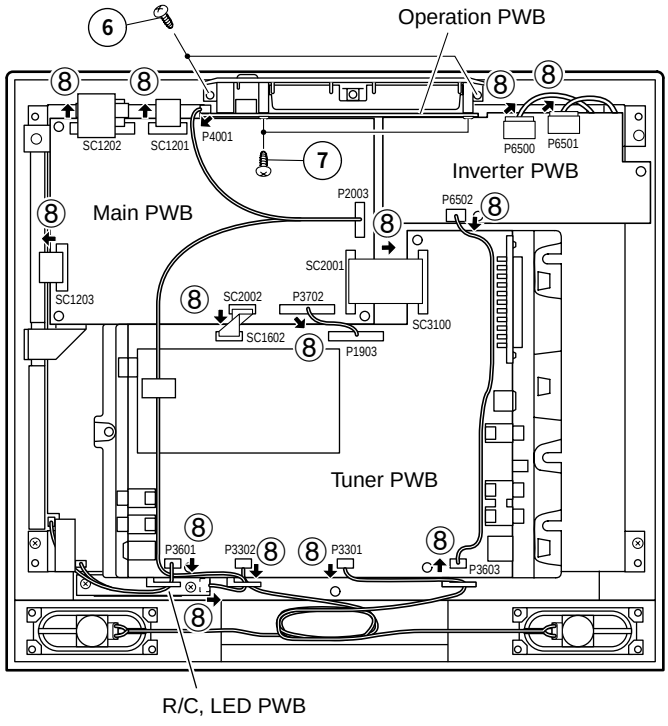
Unit: mm



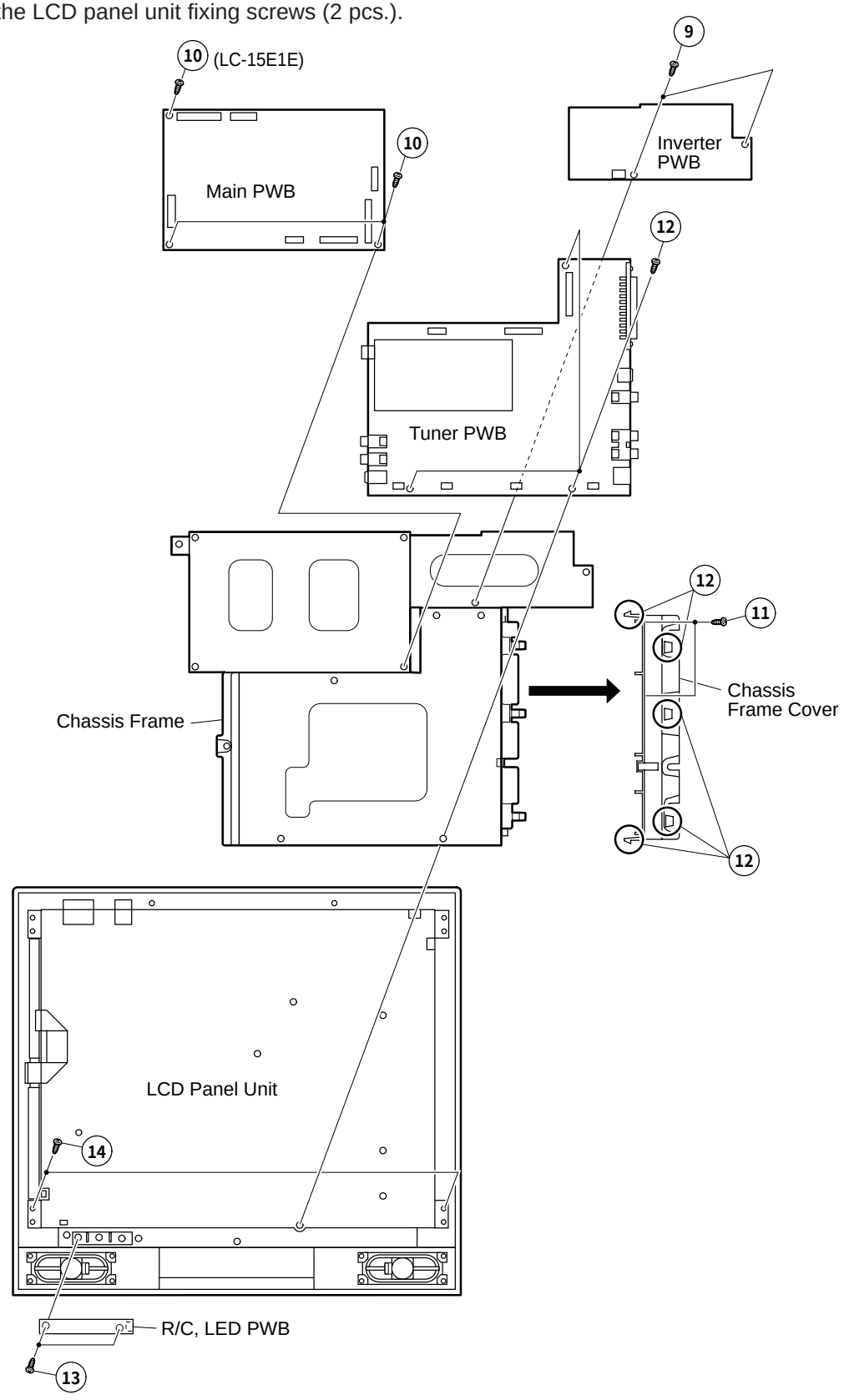
REMOVING OF MAJOR PARTS

1. Remove the table stand fixing screws (4 pcs.).
2. Remove the two terminal covers.
3. Remove the terminal section fixing screws (2 pcs.).
4. Remove the cabinet B fixing screws (6 pcs.).
5. Cabinet A is opend order of (5-1) to (5-6), and detach the Cabinet B.
6. Remove the top cover fixing screws (2 pcs.).
7. Remove the operation PWB fixing screws (2 pcs.).
8. Detach the connector from each PWB.



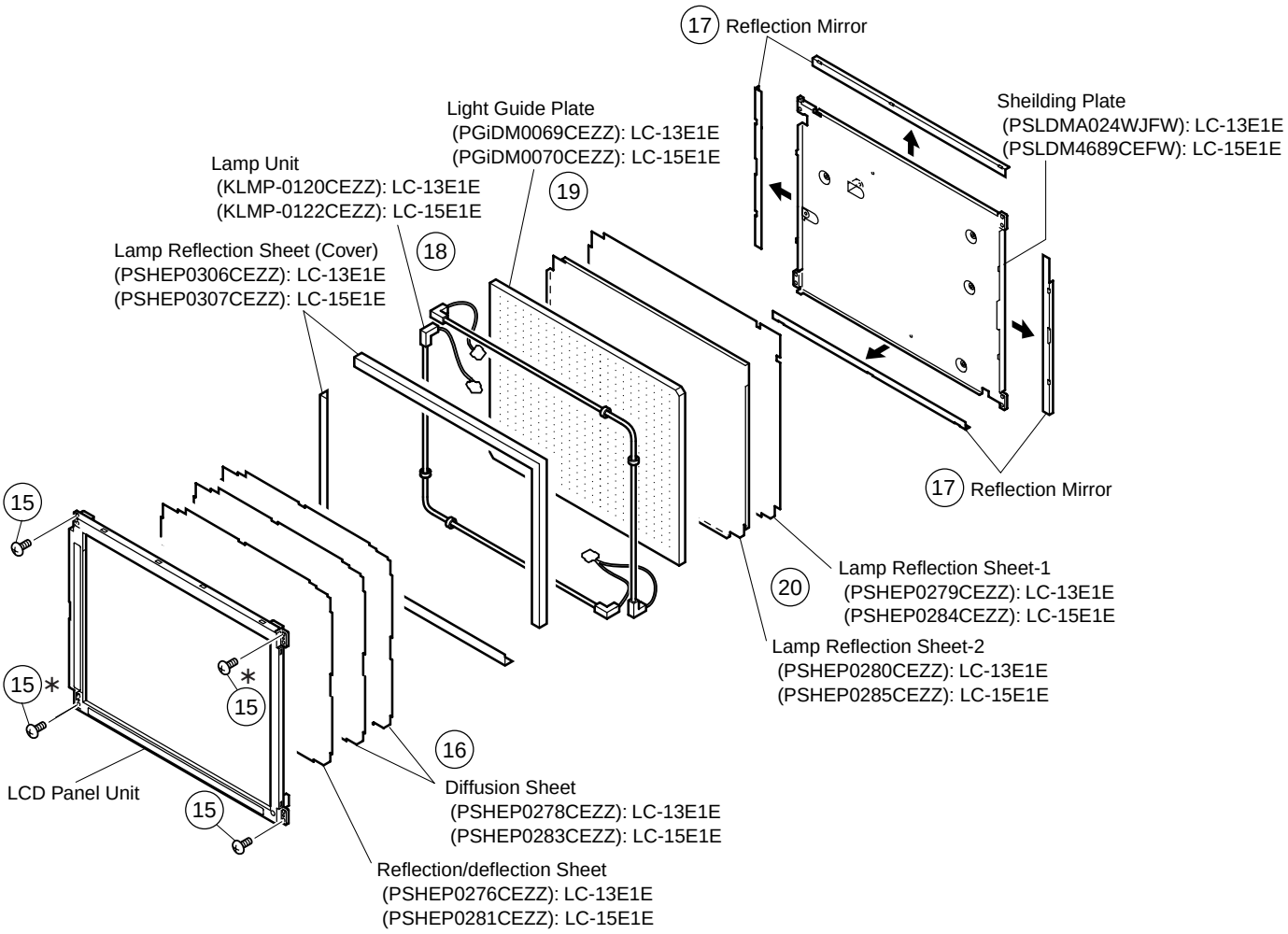


9. Remove the inverter PWB fixing screws (2 pcs.).
10. Remove the main PWB fixing screws (2 pcs.)(LC-13E1E).
10. Remove the main PWB fixing screws (3 pcs.)(LC-15E1E).
11. Remove the 21-pin terminal fixing screws (2 pcs.).
12. Remove the tuner PWB fixing screws (3 pcs.) and detatch the chassis frame cover fixing hooks.
13. Remove the R/C, LED PWB fixing screws (2 pcs.).
14. Remove the LCD panel unit fixing screws (2 pcs.).



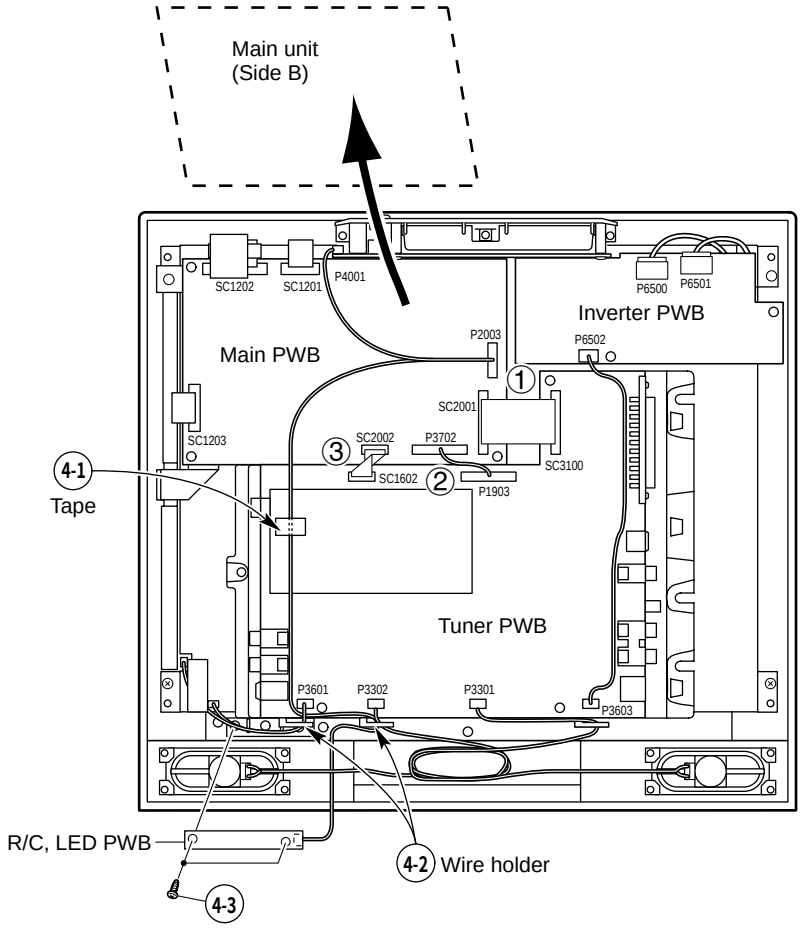
- **Precautions in handling the LCD panels**
  1. Work in a clean room (with humidities below 50%).
  2. Be sure to wear an anti-static armband.
  3. Handle the panels on an electroconductive mat.
  4. Be careful not to fall, shake and shock the panels.

15. Remove the LCD panel unit fixing screws (2 pcs.) (∗ LC-13E1E).
15. Remove the LCD panel unit fixing screws (4 pcs.) (LC-15E1E).
16. Detach the two diffusion sheets and reflection/deflection sheet.
17. Detach the four reflection mirrors.
18. Remove the lamp unit.
19. Detach the lamp guide plate.
20. Detach the two lamp reflection sheets.



- **Precautions at the time of the side B(back) service of main unit.**

1. Remove only SC2001 of the FFC for connection between Main unit(SC2001) and Tuner unit(SC3100), and connect the extended cable (QCNW-A369WJZZ) for service.
2. Remove only P3702 of the FFC for connection between Main unit(P3702) and Tuner unit(P1903), and connect the extended cable (QCNW-A371WJZZ) for service.
3. Remove only SC2002 of the FFC for connection between Main unit(SC2002) and Tuner unit(SC1602), and connect the extended cable (QCNW-A370WJZZ) for service.
4. Remove the R/C, LED unit.
   4-1. Peel off the tape.
   4-2. Remove a lead from a wire holder.
   4-3. Remove the R/C, LED unit fixing screws(2 pcs.).
5. Remove the main unit fixing screws(3 pcs.), a substrate is reversed.



ADJUSTING PROCEDURE OF EACH SECTION

The best adjustment is made before shipping. If any position deviation is found or after part replace is performed, adjust as follows.

Preparation for adjustments

Use the dedicated AC adaptor or stable DC power supply.
AC adaptor: UADP-A007WJPZ
DC power supply: 12V 4.0A

1. Adjusting procedure

- Checker adjustment
  Power ON (Adjustment processing mode) → +B adjustment → Counter bias adjustment → TAMP (Contrast) adjustment
  → White balance adjustment

2. Entering the adjustment processing mode

There are the following two methods.

- Setting the pin (81)(KEY4) or pin (82)(KEY5) of IC2001 (microprocessor) to GND, turn on the power.
- A “POWER” key is made on with pushing an “TV/VIDEO” and “MENU” keys at the same time.(K of the inspection process mode is displayed by the upper left of the image plane.) → Next, “CH (∨)” and “VOL (–)” keys are pushed at the same time.(It becomes the image plane of the adjustment process mode.).....When it is canceled, it is made to turn it off.(Even off in the “MAIN POWER” key, off with R/C are good.)

3. Key operation in the adjustment process mode

- The receiving channel UP/DOWN is performed with the “CH (∧)/(∨)” keys.
  One push ... The UP/DOWN tuning is performed per channel.
  Continuous push ... The UP/DOWN search is performed until a next receivable station is found.
- Various adjustments
  The adjustment is performed for each item by the “MENU”, “Menu cursor”, “CH (∧)/(∨)” or “VOL (+)/(–)” keys (LCD TV set and remote control).
- Adjustment item is chosen with the Menu cursor upward/downward keys.
- The adjustment item makes a toggle operation with the “MENU” key input. (Next item)
  If the “MENU” key is input while the bottom item is selected, it moves to the top item on the next page.
- Press the auto preset button on the remote controller in the adjustment process mode, and the top item of the next page will show up regardless of which item appears now.
  Page 1 → Page 2 → ... → Page 24 → Page 1
- Press the manual memory button on the remote controller in the adjustment process mode, and the top item of the same page will show up.
- UP/DOWN of each adjustment vale selected is performed with the VOL (+)/(–) keys input.
- For P16 – 17, the unit enters the register select mode with the VOL (+)/(–) keys input while NTSC/PAL is selected, and the cursor moves to the address 01.
- The cursor moves up or down with the “CH (∧)/(∨)” keys and moves left or right with the VOL (+)/(–) keys, and a decision is made with the 12 key.
  When the decision is made, the cursor moves to the adjustment value selected, and UP/DOWN of each adjustment value selected by the “VOL (+)/(–)” keys input is performed.
  0 ↔ 1 ↔ ... ↔ 9 ↔ A ↔ ... ↔ F ↔ 0 ↔ ...
  Decide with the 12 key and return to the address select. Move to the next item with the “MENU” key.
  During address select, the cursor movement by the “VOL (+)/(–)” keys input is as follows:
  Example: 01 ↔ 02 ↔ 03 ↔ 01 ↔ ...
  The cursor movement by the “CH (∧)/(∨)” keys input is as follows:
  Example: 02 ↔ 05 ↔ ... ↔ F6 ↔ 02 ↔ ...

4. Initialization

When the microprocessor (IC2001) or the EEPROM (IC2004) has been replaced or when the EEPROM has been initialized, readjust the each adjustments.

4-1. Connect the pins (81) and (82) of IC2001 (microprocessor) to GND, and turn on the power.

4-2. Select the model name to (E1E).

4-3. Select the inch size (13)*1 or (15)*2.

4-4. LED changes green from red after setting finish and about 15 seconds, initialization is completed, and it becomes adjustment mode.

NOTE:

∗1: MODEL. LC-13E1E

∗2: MODEL. LC-15E1E

5. Adjustment

5-1. +B adjustment...Page 1 +B-ADJ

Adjust the voltage of the pin (13) of P2002 to 5.00 ±0.02V.

Note: Since 5.0V is a reference voltage of all power voltage, adjust it precisely.

5-2. Counter-bias adjustment

Vary the "COM BIAS" setting on Page 2 of the adjustment process mode so that the contrast be sharpest (black looks most sinking).

5-3. TAMP adjustment

1) Receive the upper left of 75% white half colour bar signal.
2) See if the “Y” reading on page 2 of the adjusment process mode is somewhere following. If not, make the “PAL TAMP” adjustment to get the “Y” reading in the range of BF thru C9.
3) If the adjustment of “PAL TAMP” is executed, write its adjustment value to the “SECAM TAMP” manually.

(Screen of the page 2 of the adjustment processing menu OSD)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
0		2																									
1		▶	C	O	M		B	I	A	S															9	0	
2			P	A	L		T	A	M	P															2	1	
3			S	E	C	A	M		T	A	M	P													2	1	
4			R	C	U	T	O	F	F																—	5	
5			G	C	U	T	O	F	F																	0	
6			B	C	U	T	O	F	F																—	3	
7			G	3			B	3			R	3					0	0			0	0			0	0	
8			G	1			B	4				Y					0	0			0	0			B	5	
9			T	A	M	P		H																	C	9	
10			T	A	M	P		L																	B	F	
11																											
12																											
13																											

Y Data
(White 75%)

5-4. White balance adjustment

Adjust “RCUTOFF” and “BCUTOFF” on the page 2 of the adjustment processing so as to obtain the colour of the same level as the standard set.

Note: For the adjustment processing of “RCUTOFF” and “BCUTOFF”, adjust them in the indication value range of ... –9, –7, ... –1, +1, ... +7, +9.

When it becomes even-numbered value, side favor noise sometimes occurs in the monochrome signal of the specific gradation.

6. Factory Setting

6-1. Perform a factory setting after completing all adjustments.
6-2. A “POWER” keys is made on with pushing an “TV/VIDEO” and “MENU” keys at the same time.
6-3. “K” of the inspection process mode is displayed on the screen upper left.
6-4. CH (∧) and VOL (+) keys are pushed about 2 seconds at the same time.
6-5. Release keys, if “E” is displayed on the screen upper left and “COMPLETE” is displayed on the bottom of it.
6-6. After a while, a power will be in a standby mode and a setup will be finished.
Note: “First installation” serves on “Deutsch”.

7. Lamp error detection

7-1. Functional description

This LCD colour television has a function (lamp error detection) to be turned OFF automatically for safety when the lamp or lamp circuit is abnormal.
If the lamp or lamp circuit is abnormal, or some other errors happen, and the lamp error detection is executed, the followings occur.

① The main unit of television is turned OFF 5 seconds after it is turned ON. (The power LED on the front side of TV turns from green to red.)
② If the situation ① happens 5 times sequentially, television can not be turned ON. (The power LED remains red.)

7-2. Countermeasures

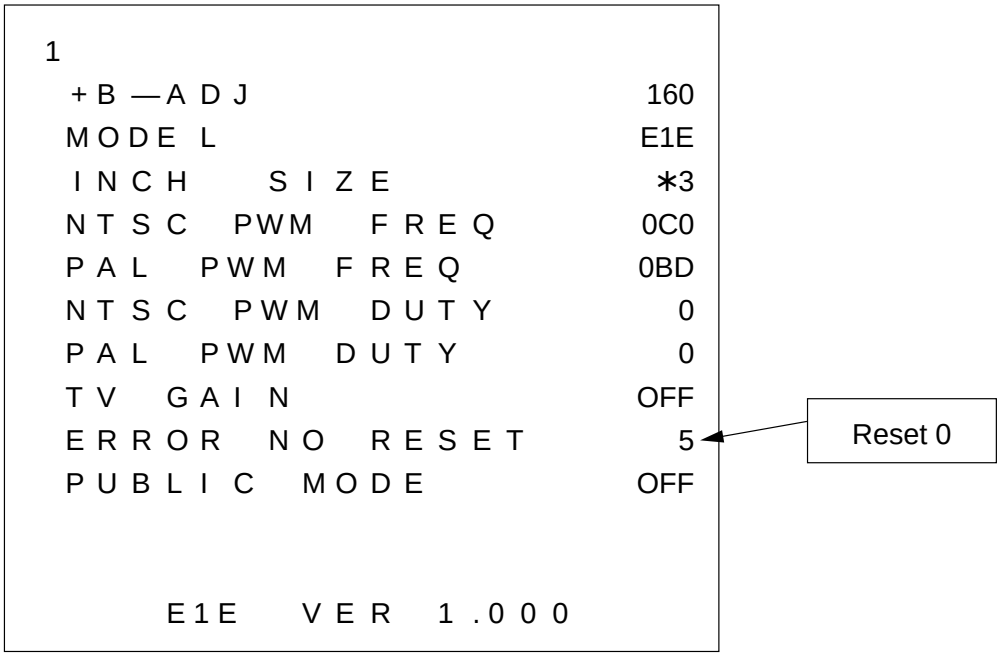
7-2-1. Check when turning OFF the lamp error detection

When television is turned OFF by the lamp error detection mentioned above, it enters the adjustment process with the power LED red. Entering the adjustment process turns OFF the error detection and turns ON TV.
This enables the operation check to detect errors in the lamp or lamp circuit.
Check whether "ERROR NO RESET" on line 9, page 1 of the adjustment process is 1 or more. If it is 1 or more, it indicates the lamp error detection was executed.

7-2-2. Resetting of the lamp error count

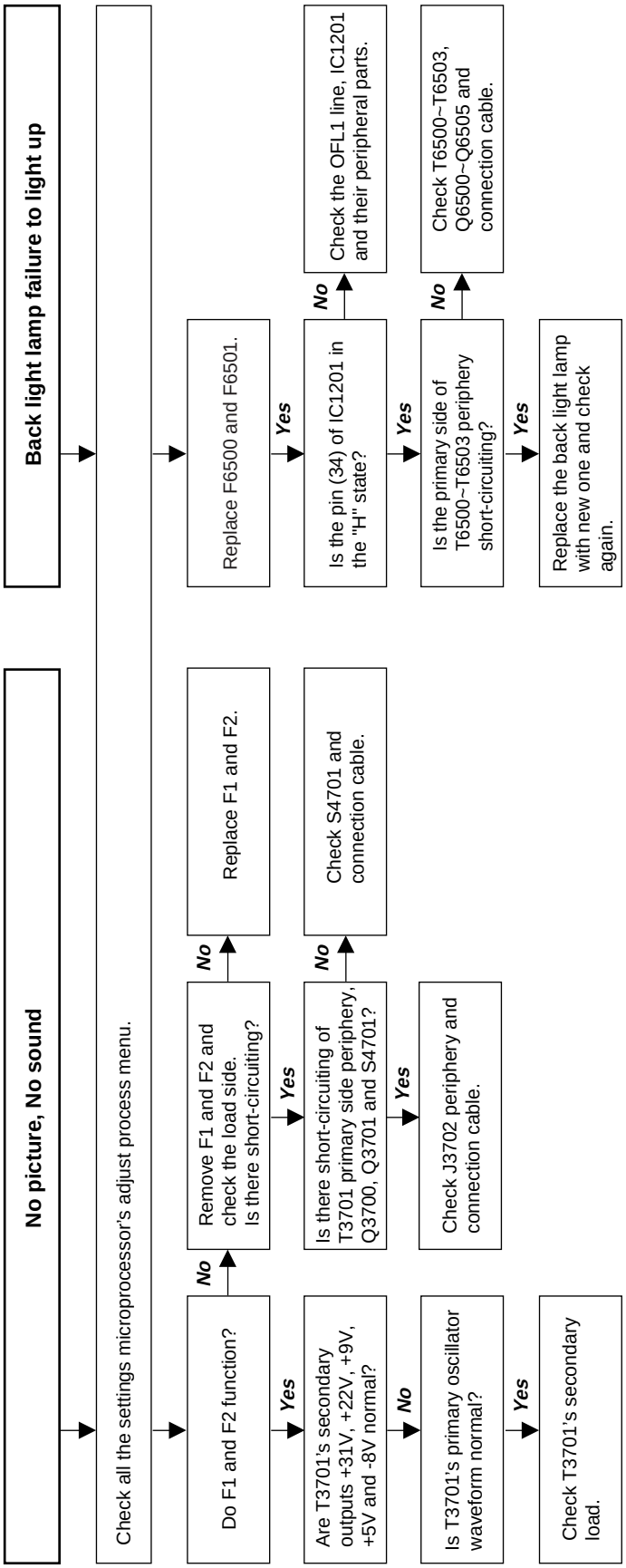
After confirming that the lamp or lamp circuit is normal, reset the lamp error count. Select "ERROR NO RESET" on line 9, page 1 of the adjustment process and set the number to 0 using the volume button.

Page 1 of the adjustment process

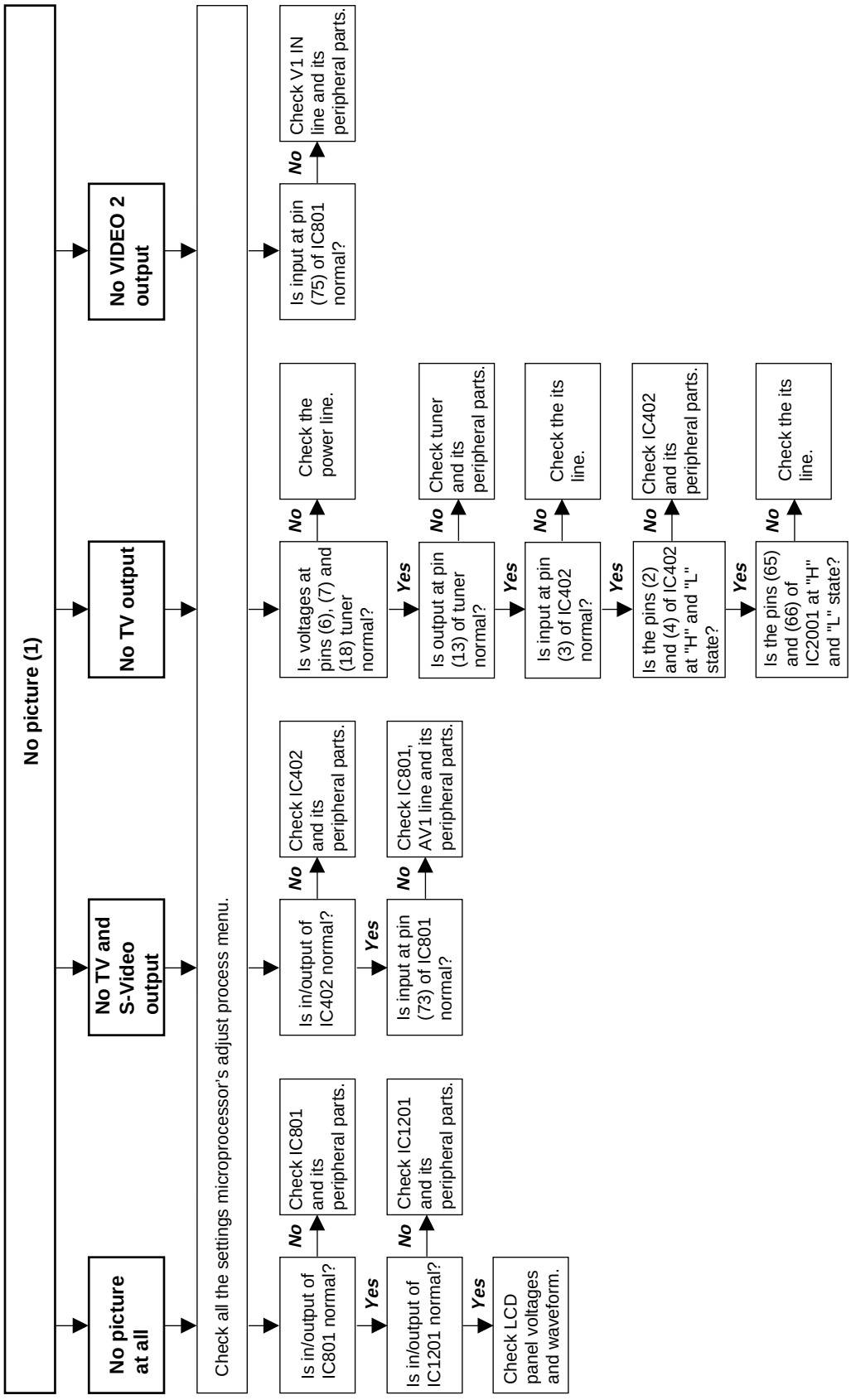


Afterwards, perform the operation check to confirm that the lamp error detection does not function.
NOTE:∗3 LC-13E1E=13, LC-15E1E=15

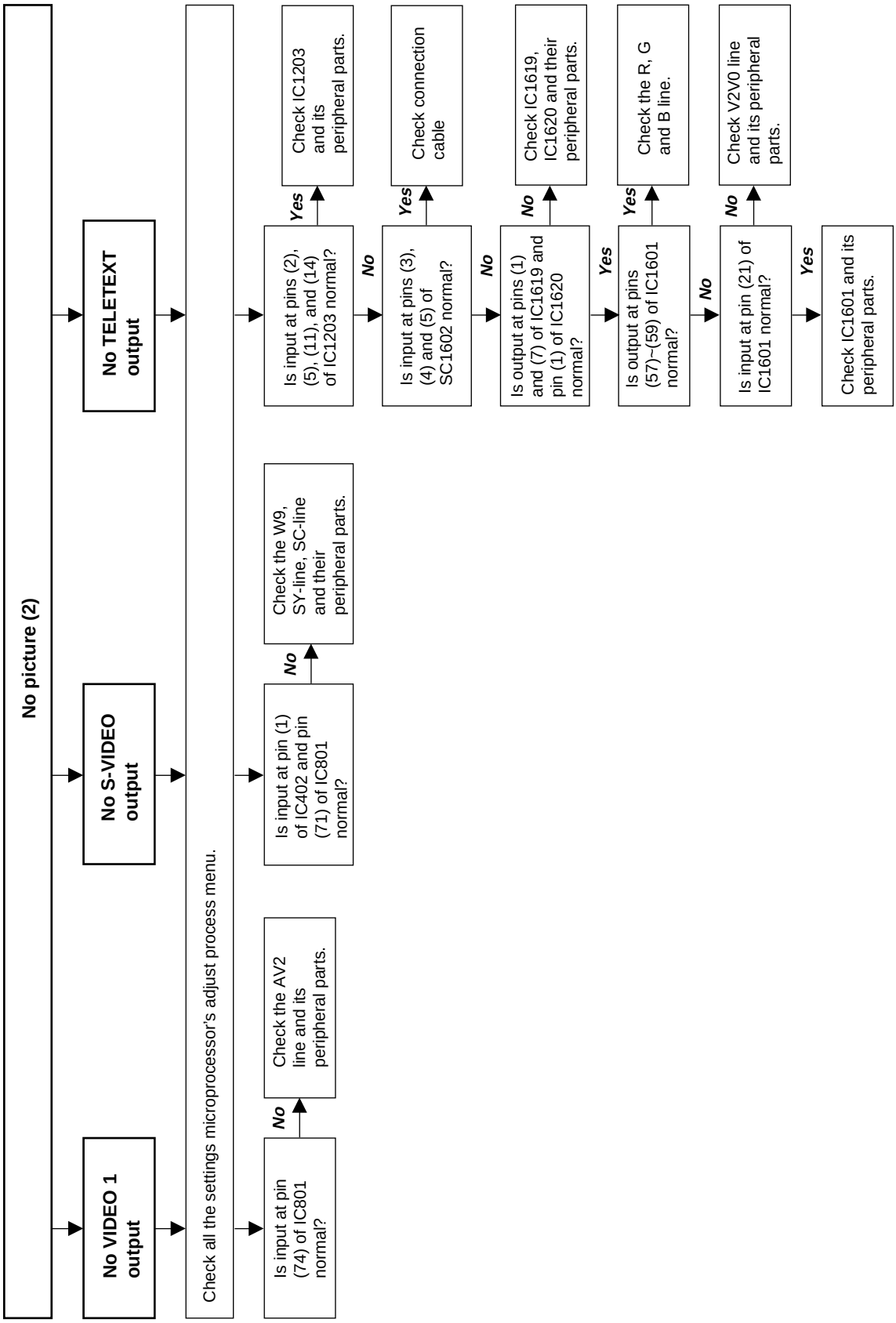
TROUBLE SHOOTING TABLE


No picture, No sound
Back light lamp failure to light up
Check all the settings microprocessor's adjust process menu.
Do F1 and F2 function?
No
Remove F1 and F2 and check the load side. Is there short-circuiting?
No
Replace F1 and F2.
Yes
Are T3701's secondary outputs +31V, +22V, +9V, +5V and -8V normal?
No
Is there short-circuiting of T3701 primary side periphery, Q3700, Q3701 and S4701?
No
Check S4701 and connection cable.
Yes
Is T3701's primary oscillator waveform normal?
No
Check J3702 periphery and connection cable.
Yes
Check T3701's secondary load.
Replace F6500 and F6501.
Yes
Is the pin (34) of IC1201 in the "H" state?
No
Check the OFL1 line, IC1201 and their peripheral parts.
Yes
Is the primary side of T6500~T6503 periphery short-circuiting?
No
Check T6500~T6503, Q6500~Q6505 and connection cable.
Yes
Replace the back light lamp with new one and check again.

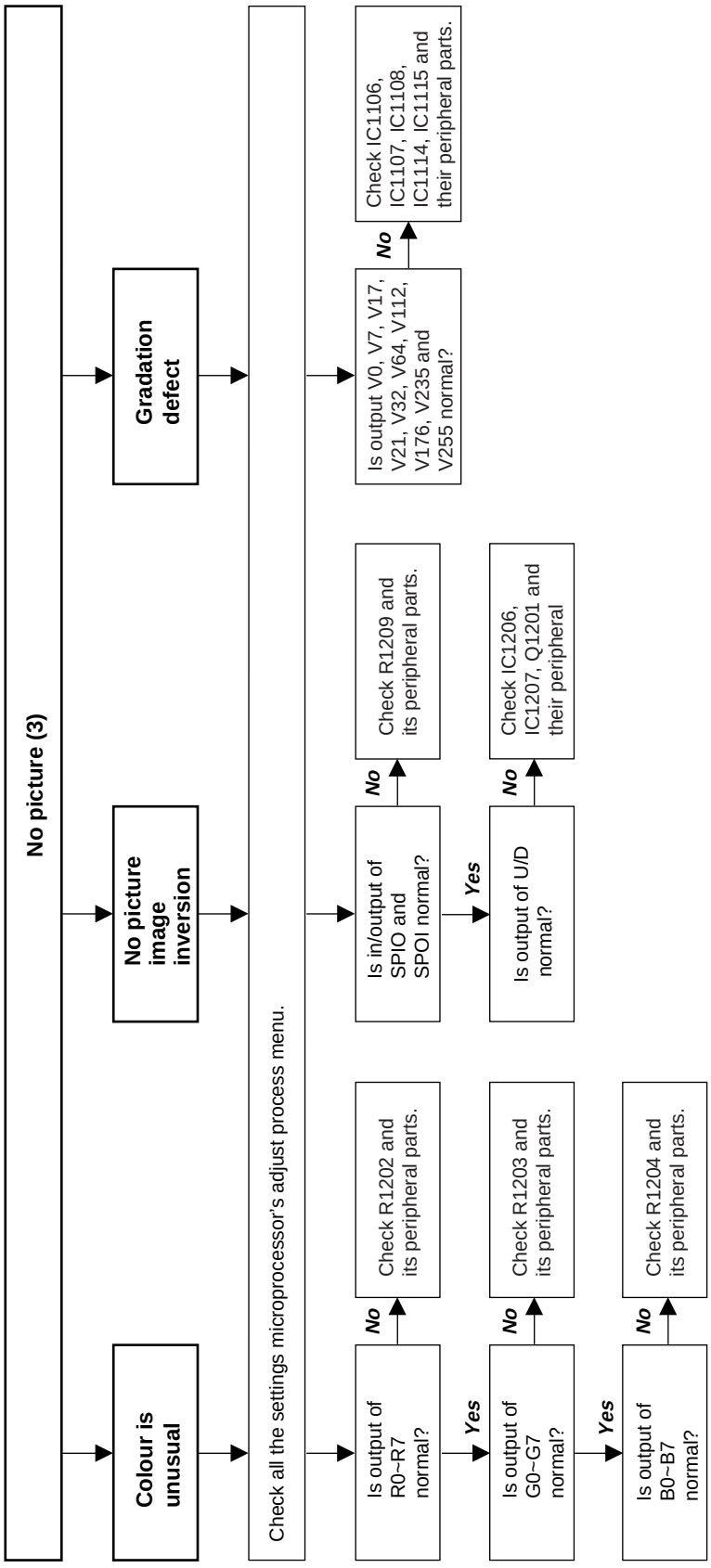
TROUBLE SHOOTING TABLE (Continued)


No picture (1)
No picture at all
Check all the settings microprocessor's adjust process menu.
Is in/output of IC801 normal?
No
Check IC801 and its peripheral parts.
Yes
Is in/output of IC1201 normal?
No
Check IC1201 and its peripheral parts.
Yes
Check LCD panel voltages and waveform.
No TV and S-Video output
Is in/output of IC402 normal?
No
Check IC402 and its peripheral parts.
Yes
Is input at pin (73) of IC801 normal?
No
Check IC801, AV1 line and its peripheral parts.
No TV output
Is voltages at pins (6), (7) and (18) tuner normal?
No
Check the power line.
Yes
Is output at pin (13) of tuner normal?
No
Check tuner and its peripheral parts.
Yes
Is input at pin (3) of IC402 normal?
No
Check the its line.
Yes
Is the pins (2) and (4) of IC402 at "H" and "L" state?
No
Check IC402 and its peripheral parts.
Yes
Is the pins (65) and (66) of IC2001 at "H" and "L" state?
No
Check the its line.
No VIDEO 2 output
Is input at pin (75) of IC801 normal?
No
Check V1 IN line and its peripheral parts.

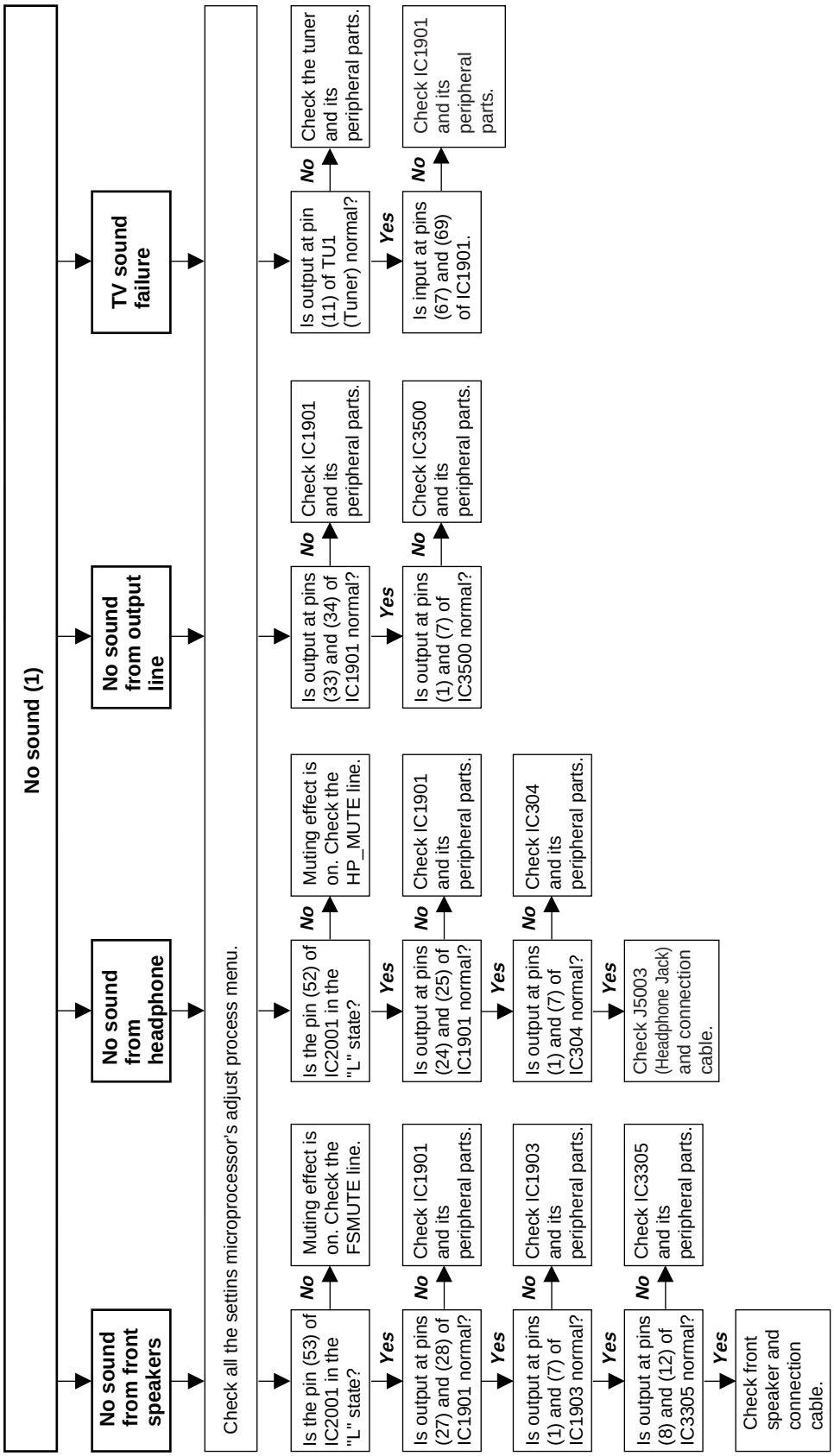
TROUBLE SHOOTING TABLE (Continued)


No picture (2)
No VIDEO 1 output
No S-VIDEO output
No TELETEXT output
Check all the settings microprocessor's adjust process menu.
Is input at pin (74) of IC801 normal?
No
Check the AV2 line and its peripheral parts.
Is input at pin (1) of IC402 and pin (71) of IC801 normal?
No
Check the W9, SY-line, SC-line and their peripheral parts.
Is input at pins (2), (5), (11), and (14) of IC1203 normal?
Yes
Check IC1203 and its peripheral parts.
No
Is input at pins (3), (4) and (5) of SC1602 normal?
Yes
Check connection cable
No
Is output at pins (1) and (7) of IC1619 and pin (1) of IC1620 normal?
No
Check IC1619, IC1620 and their peripheral parts.
Yes
Is output at pins (57)~(59) of IC1601 normal?
Yes
Check the R, G and B line.
No
Is input at pin (21) of IC1601 normal?
No
Check V2V0 line and its peripheral parts.
Yes
Check IC1601 and its peripheral parts.

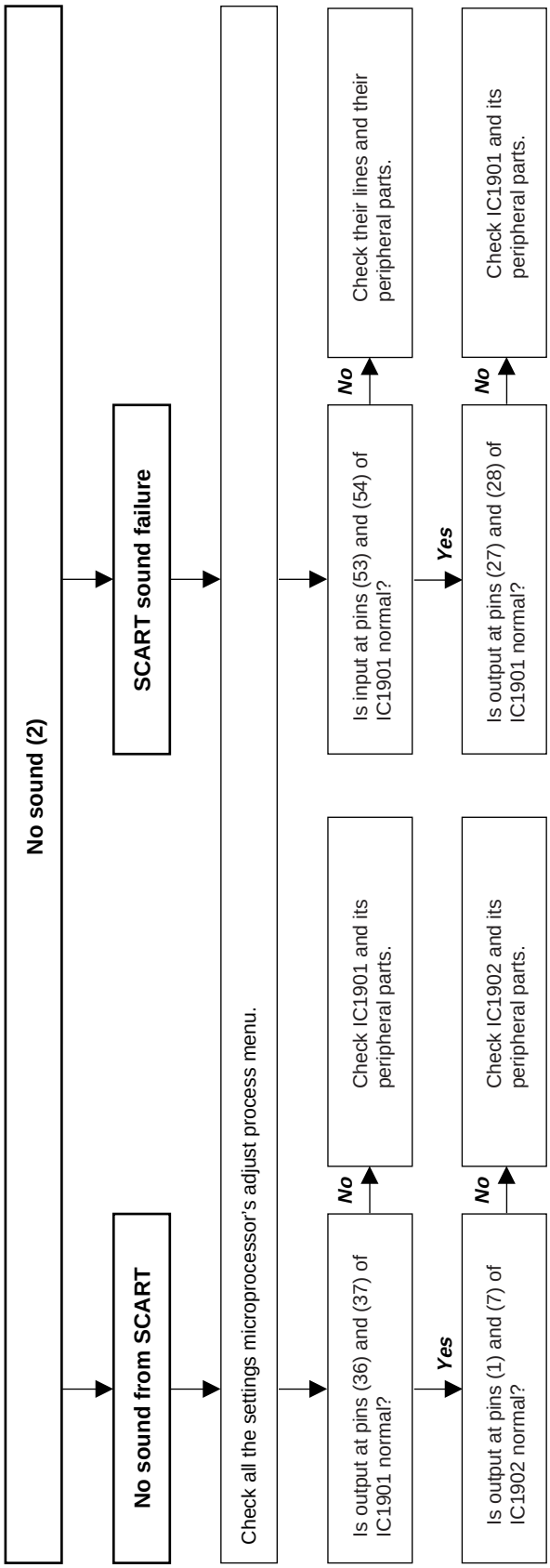
TROUBLE SHOOTING TABLE (Continued)


No picture (3)
Colour is unusual
No picture image inversion
Gradation defect
Check all the settings microprocessor's adjust process menu.
Is output of R0~R7 normal?
No
Check R1202 and its peripheral parts.
Yes
Is output of G0~G7 normal?
No
Check R1203 and its peripheral parts.
Yes
Is output of B0~B7 normal?
No
Check R1204 and its peripheral parts.
Is in/output of SPIO and SPOI normal?
No
Check R1209 and its peripheral parts.
Yes
Is output of U/D normal?
No
Check IC1206, IC1207, Q1201 and their peripheral
Is output V0, V7, V17, V21, V32, V64, V112, V176, V235 and V255 normal?
No
Check IC1106, IC1107, IC1108, IC1114, IC1115 and their peripheral parts.

TROUBLE SHOOTING TABLE (Continued)

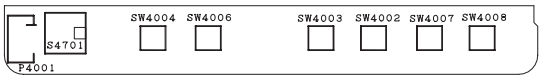

No sound (1)
No sound from front speakers
No sound from headphone
No sound from output line
TV sound failure
Check all the settins microprocessor's adjust process menu.
Is the pin (53) of IC2001 in the "L" state?
Yes
No
Muting effect is on. Check the FSMUTE line.
Is output at pins (27) and (28) of IC1901 normal?
Yes
No
Check IC1901 and its peripheral parts.
Is output at pins (1) and (7) of IC1903 normal?
Yes
No
Check IC1903 and its peripheral parts.
Is output at pins (8) and (12) of IC3305 normal?
Yes
No
Check IC3305 and its peripheral parts.
Check front speaker and connection cable.
Is the pin (52) of IC2001 in the "L" state?
Yes
No
Muting effect is on. Check the HP_MUTE line.
Is output at pins (24) and (25) of IC1901 normal?
Yes
No
Check IC1901 and its peripheral parts.
Is output at pins (1) and (7) of IC304 normal?
Yes
No
Check IC304 and its peripheral parts.
Check J5003 (Headphone Jack) and connection cable.
Is output at pins (33) and (34) of IC1901 normal?
Yes
No
Check IC1901 and its peripheral parts.
Is output at pins (1) and (7) of IC3500 normal?
Yes
No
Check IC3500 and its peripheral parts.
Is output at pin (11) of TU1 (Tuner) normal?
Yes
No
Check the tuner and its peripheral parts.
Is input at pins (67) and (69) of IC1901.
No
Check IC1901 and its peripheral parts.

TROUBLE SHOOTING TABLE (Continued)

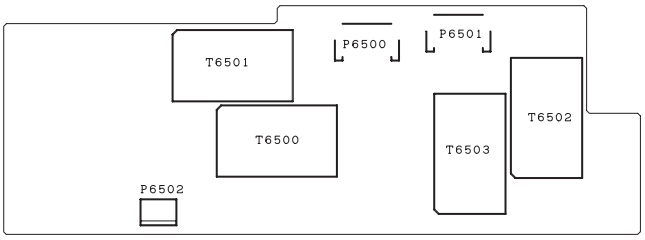

No sound (2)
No sound from SCART
SCART sound failure
Check all the settings microprocessor's adjust process menu.
Is output at pins (36) and (37) of IC1901 normal?
No
Check IC1901 and its peripheral parts.
Yes
Is output at pins (1) and (7) of IC1902 normal?
No
Check IC1902 and its peripheral parts.
Is input at pins (53) and (54) of IC1901 normal?
No
Check their lines and their peripheral parts.
Yes
Is output at pins (27) and (28) of IC1901 normal?
No
Check IC1901 and its peripheral parts.

CHASSIS LAYOUT

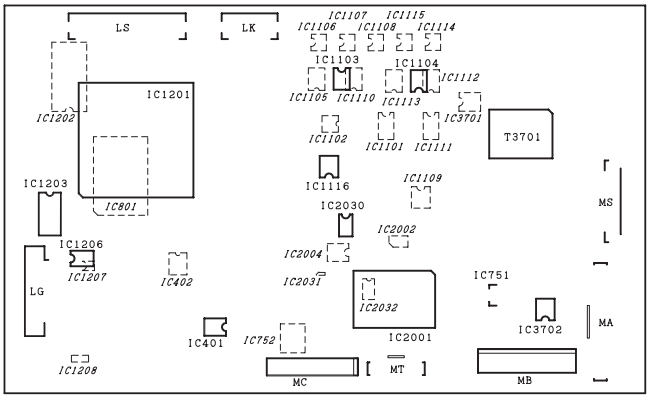
OPERATION Unit



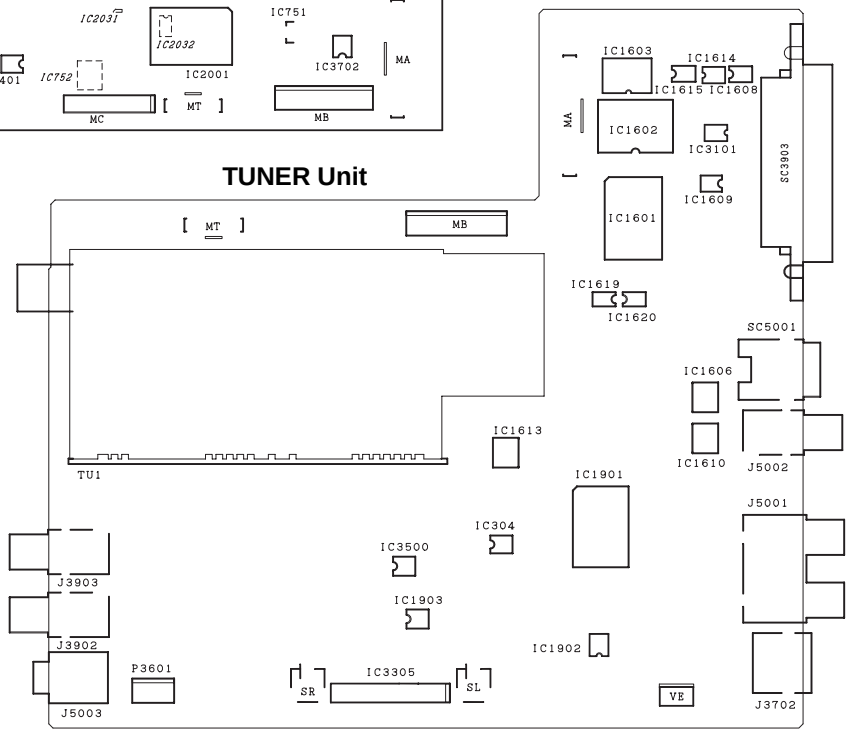
INVERTER Unit



MAIN Unit



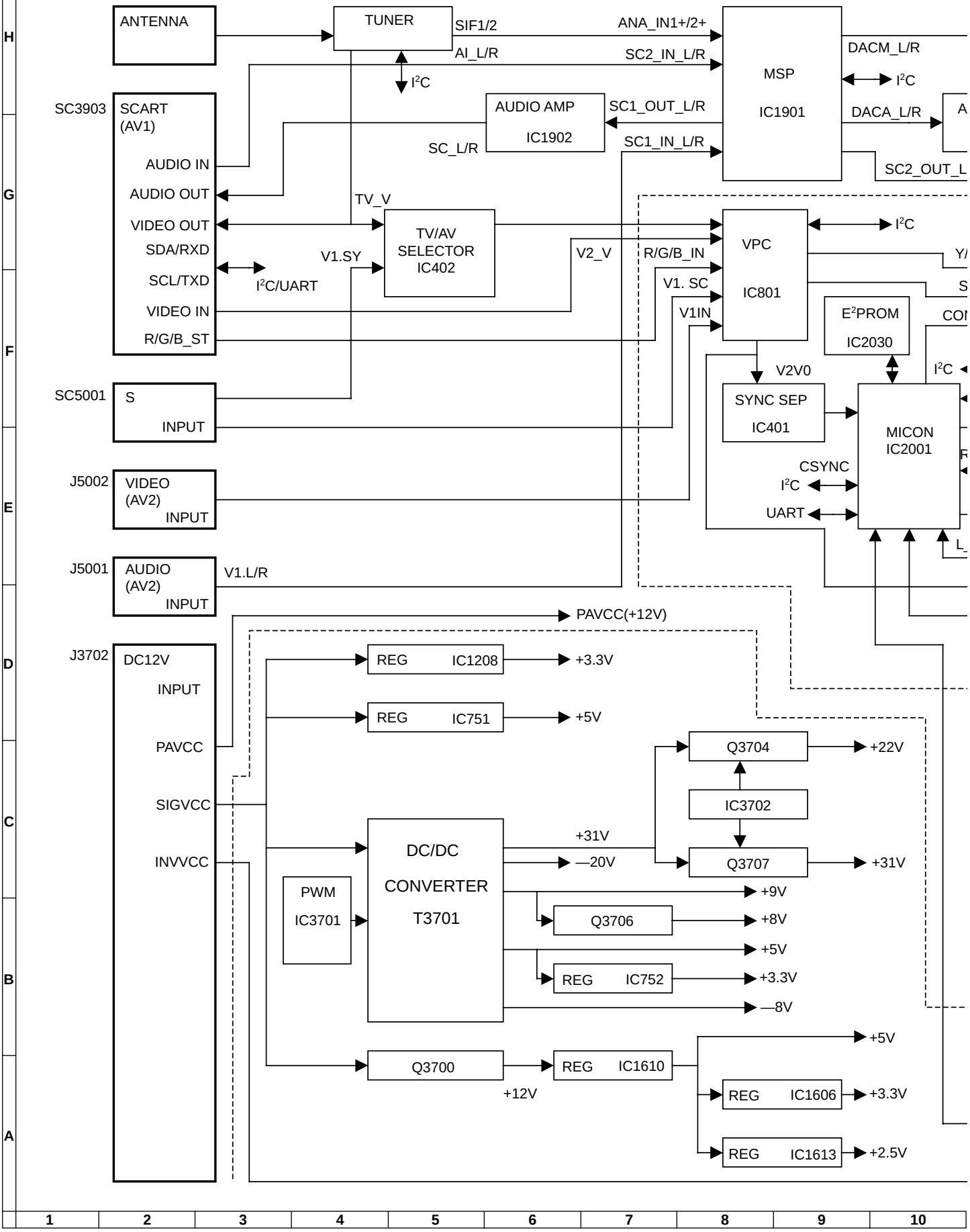
TUNER Unit

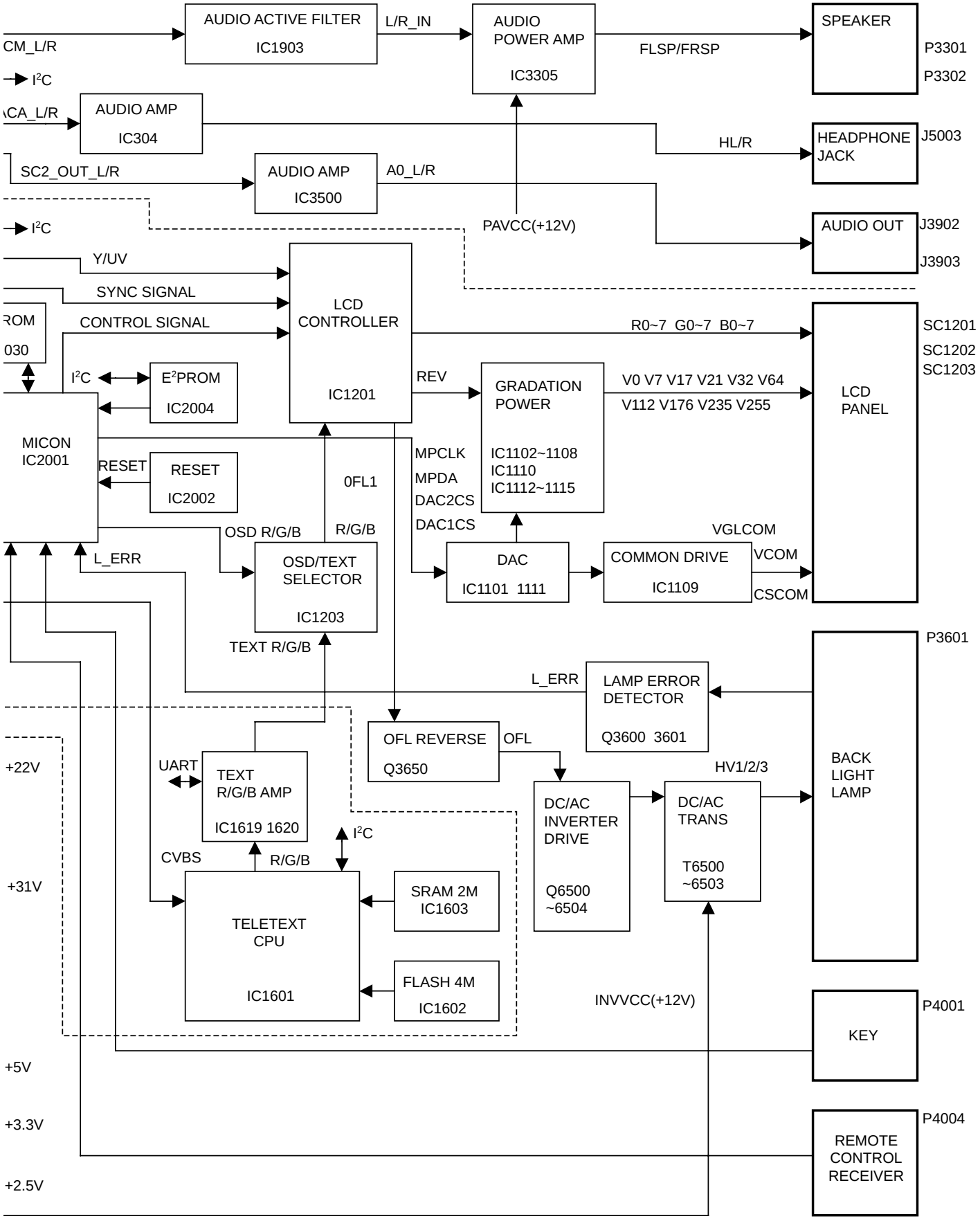


R/C, LED Unit

1	2	3	4	5	6

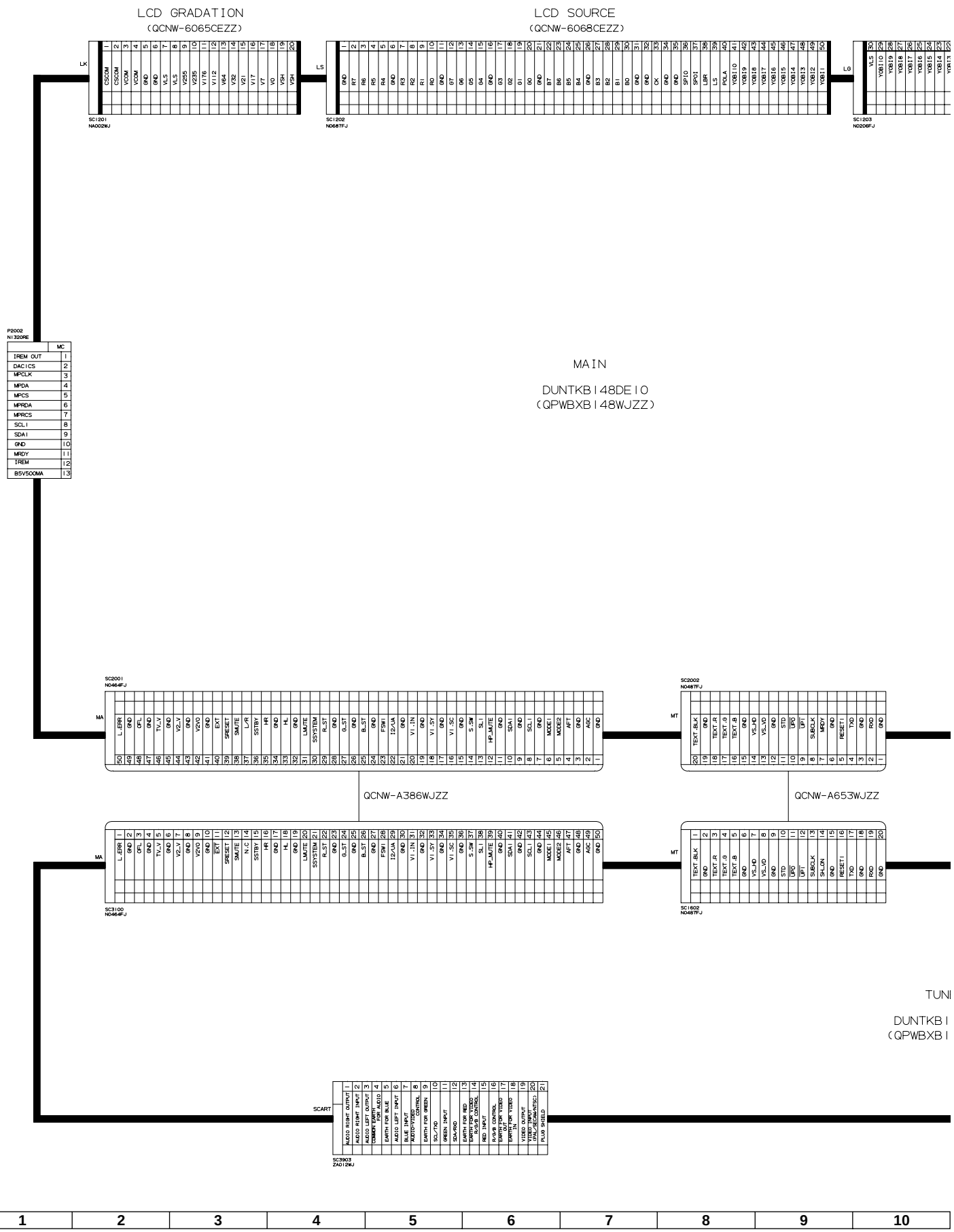
BLOCK DIAGRAM

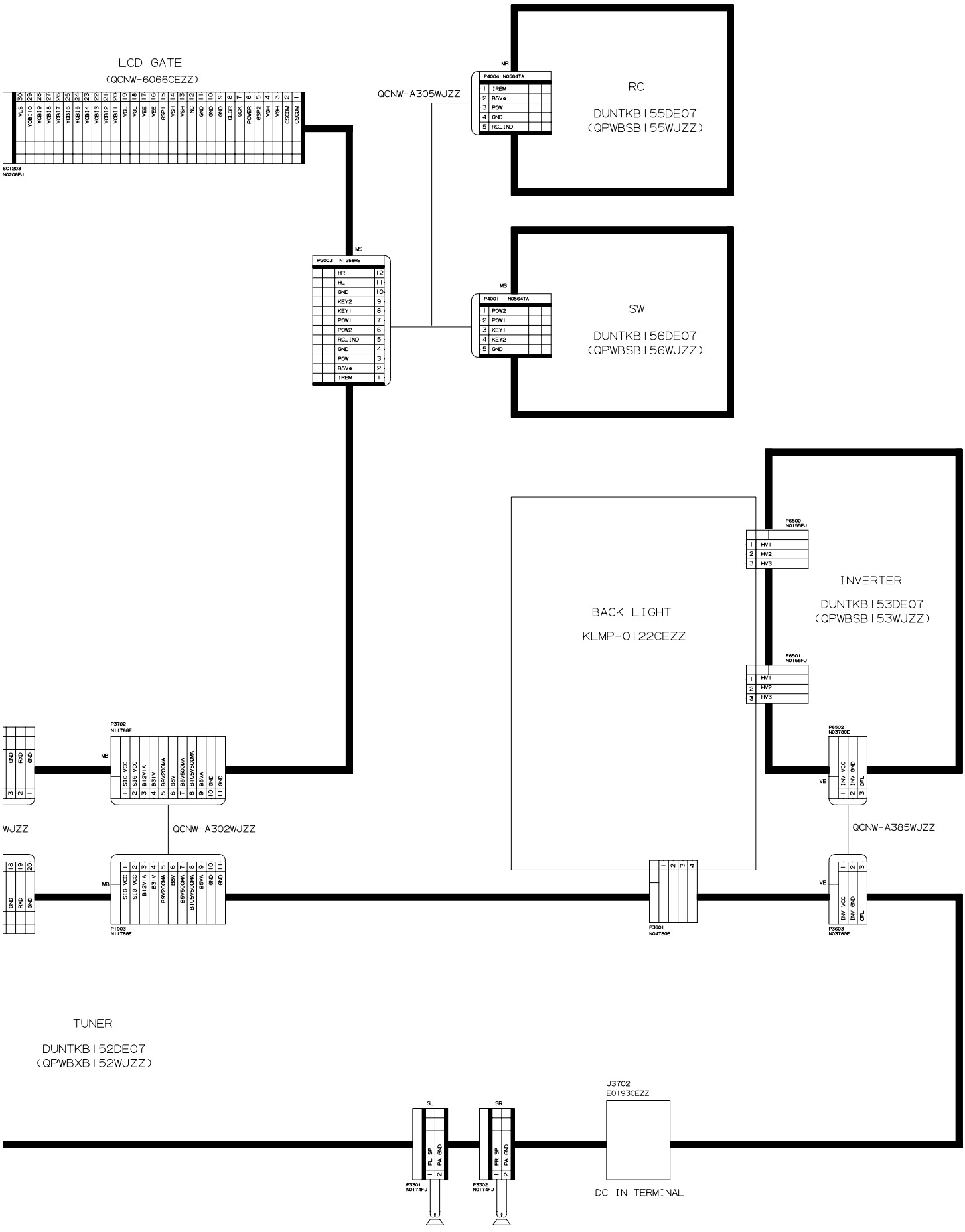




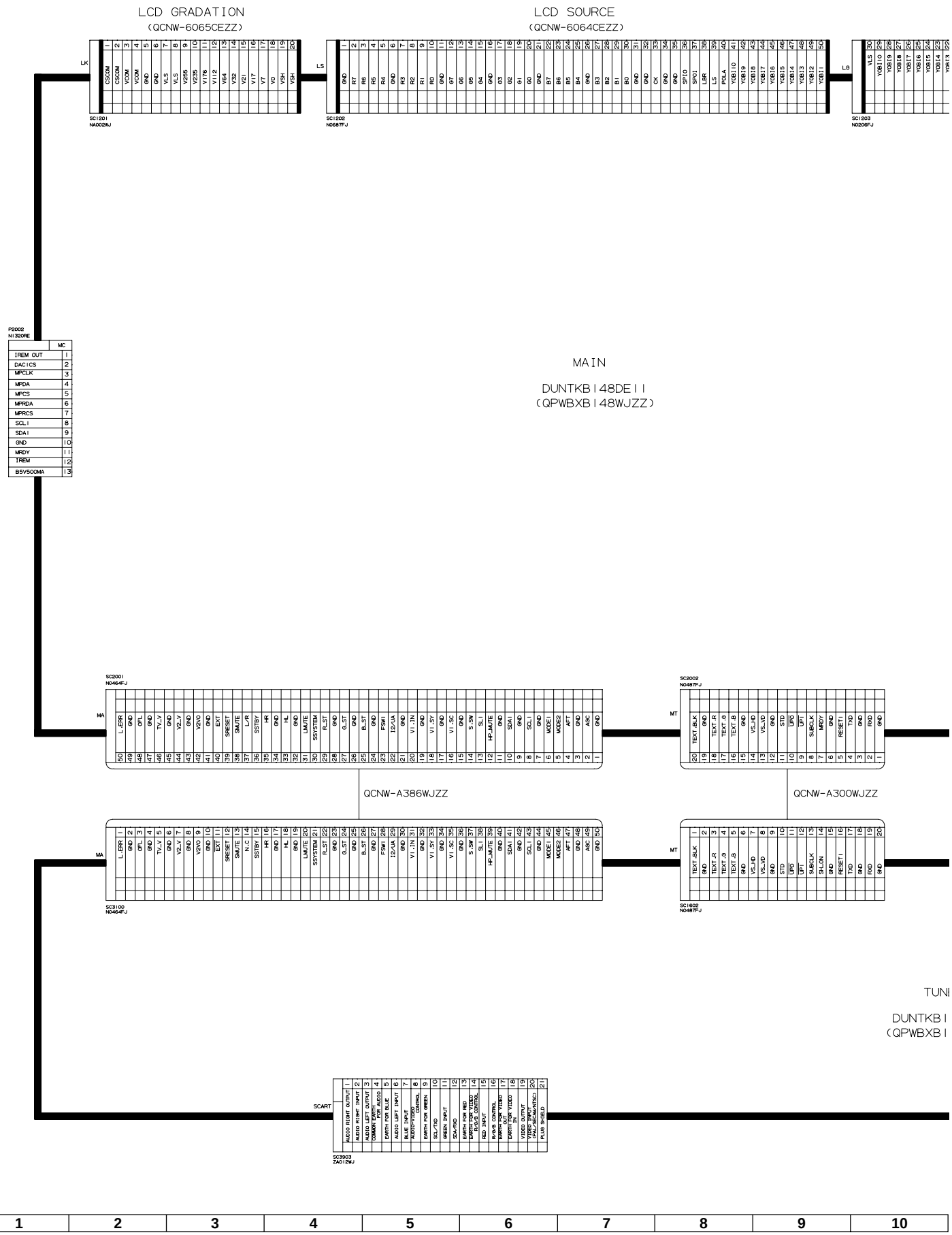
10	11	12	13	14	15	16	17	18	19

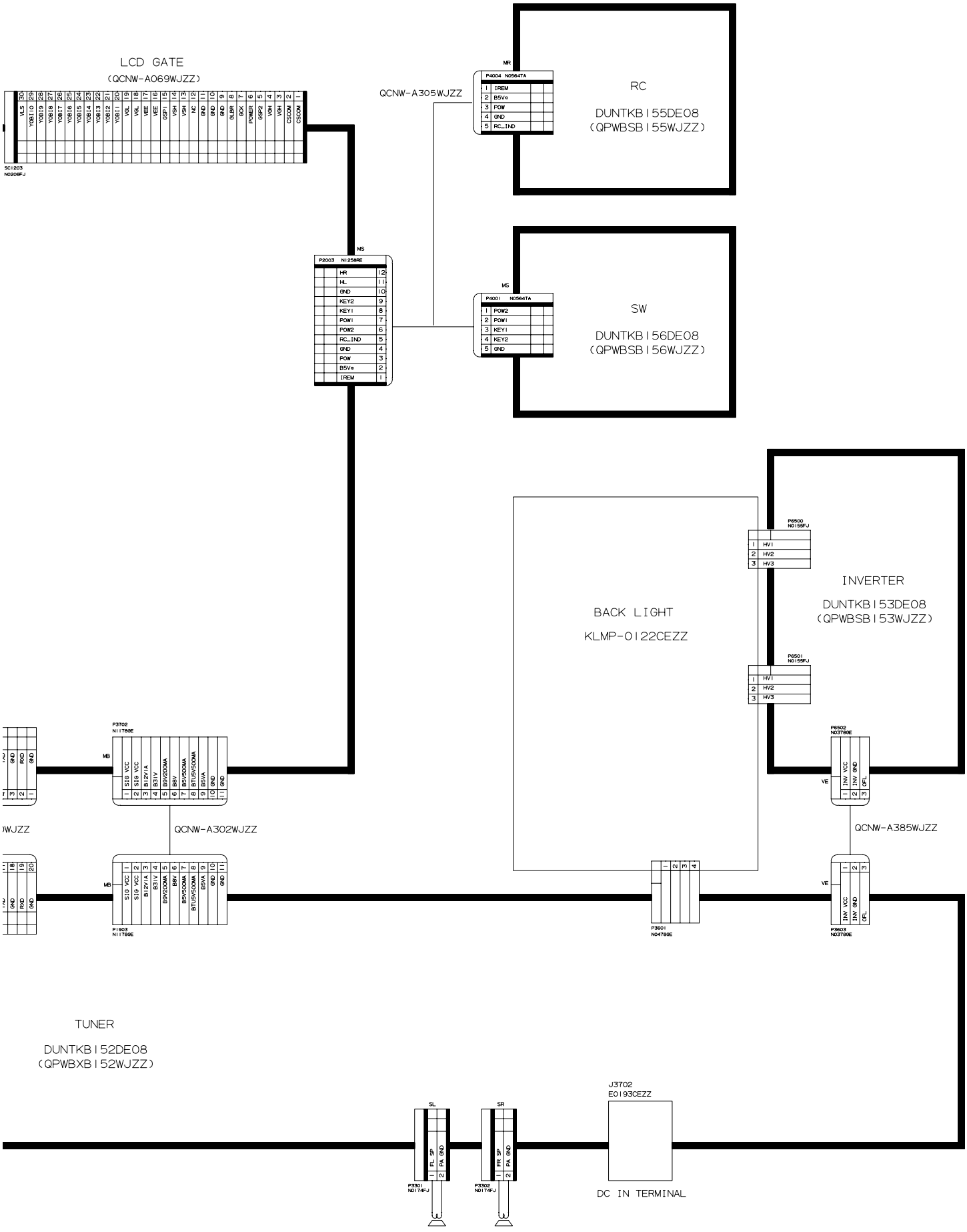
MODEL LC-13E1E OVERALL WIRING DIAGRAM




LCD GATE
(QCNW-6066CEZZ)
QCNW-A305WJZZ
RC
DUNTKB155DE07
(QPWBSB155WJZZ)
SW
DUNTKB156DE07
(QPWBSB156WJZZ)
BACK LIGHT
KLMP-0122CEZZ
INVERTER
DUNTKB153DE07
(QPWBSB153WJZZ)
QCNW-A302WJZZ
QCNW-A385WJZZ
TUNER
DUNTKB152DE07
(QPWBXB152WJZZ)
DC IN TERMINAL

MODEL LC-15E1E OVERALL WIRING DIAGRAM





10	11	12	13	14	15	16	17	18	19

DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. Voltages at test points are measured on exclusive AC adapter and the stable supply voltage of AC 120V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted. (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/10W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.
   Ⓒ: Solid Ⓦ: Cement
   Ⓢ: Oxide Film Ⓣ: Special
   Ⓝ: Metal Coating

CAPACITOR

1. All capacitors are μF, unless otherwise noted. (P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.
   (ML): Mylar (TA): Tantalum
   (PF): Polypro Film (ST): Styrol

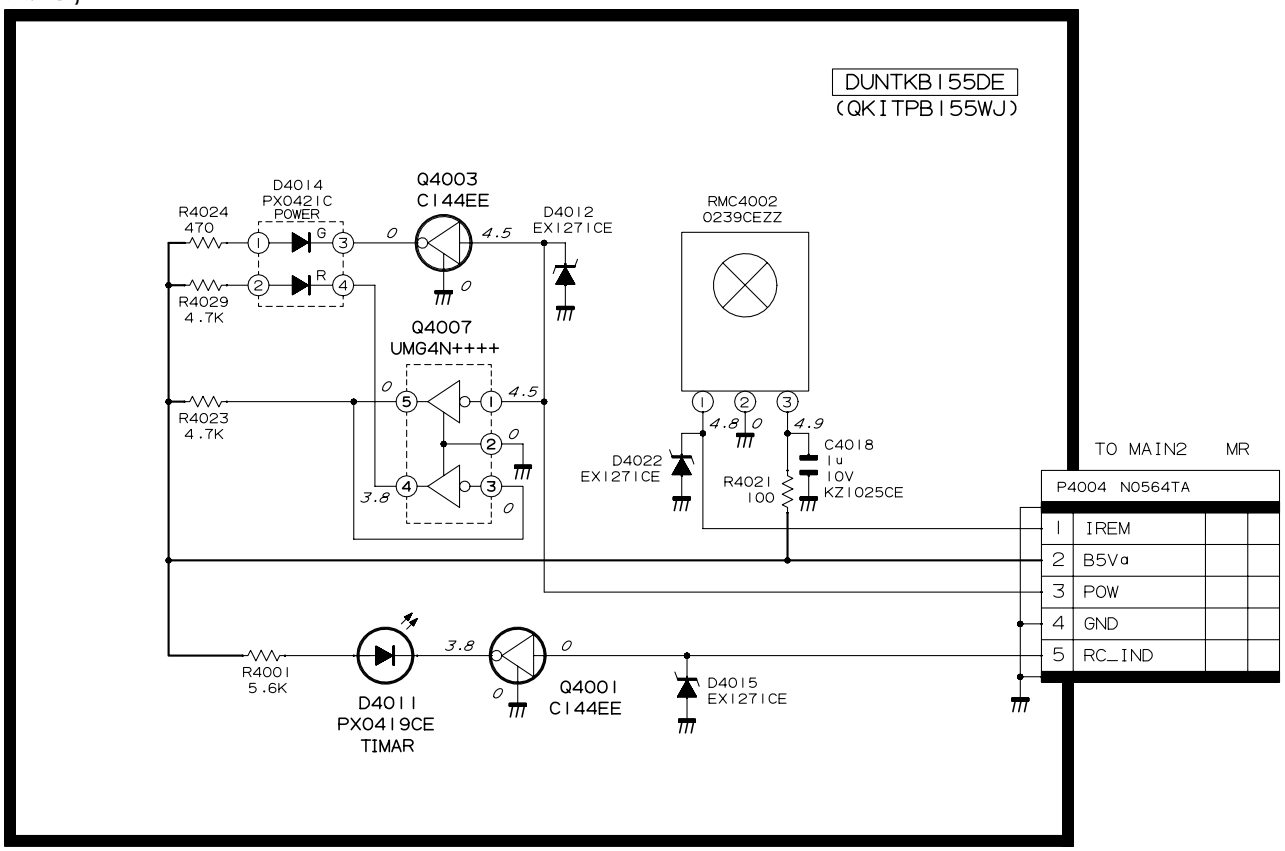
CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

IMPORTANT SAFETY NOTICE:
PARTS MARKED WITH "⚠" ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

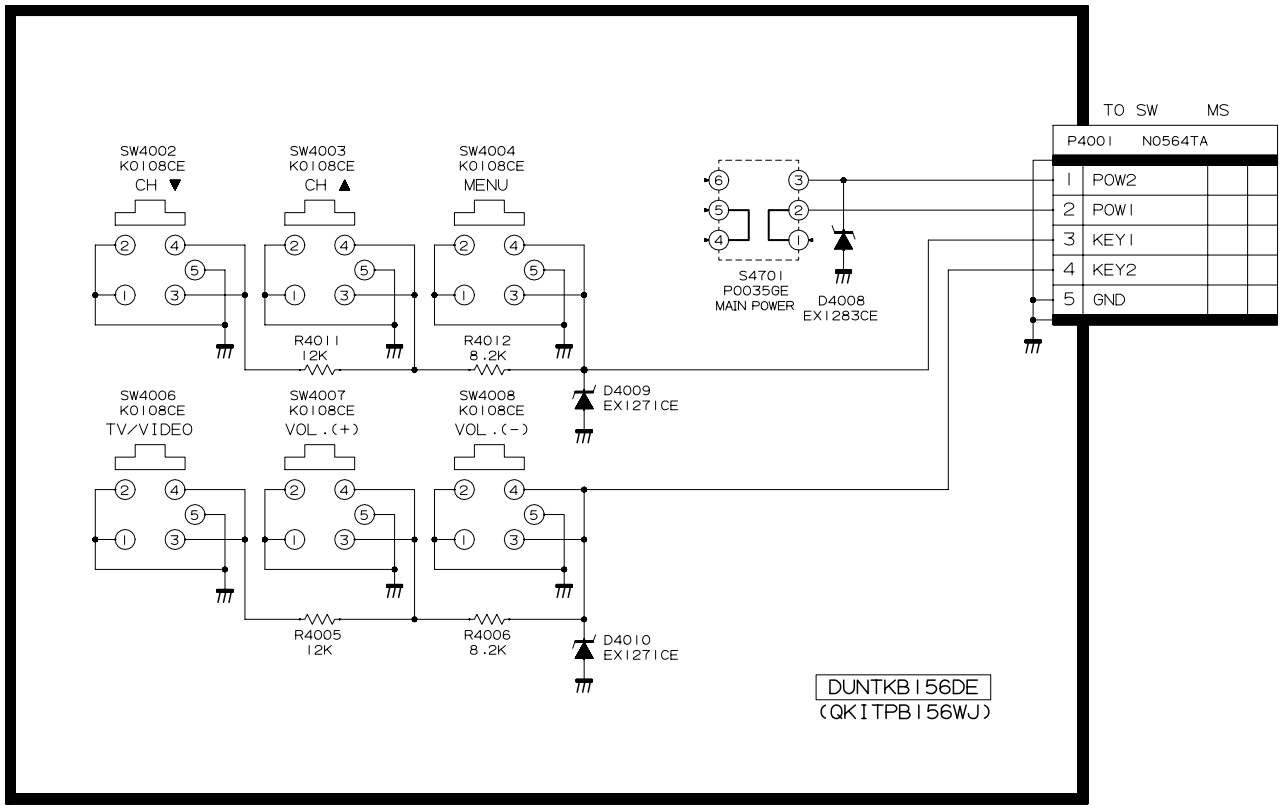
SCHEMATIC DIAGRAM

■ R/C, LED and OPERATION Unit

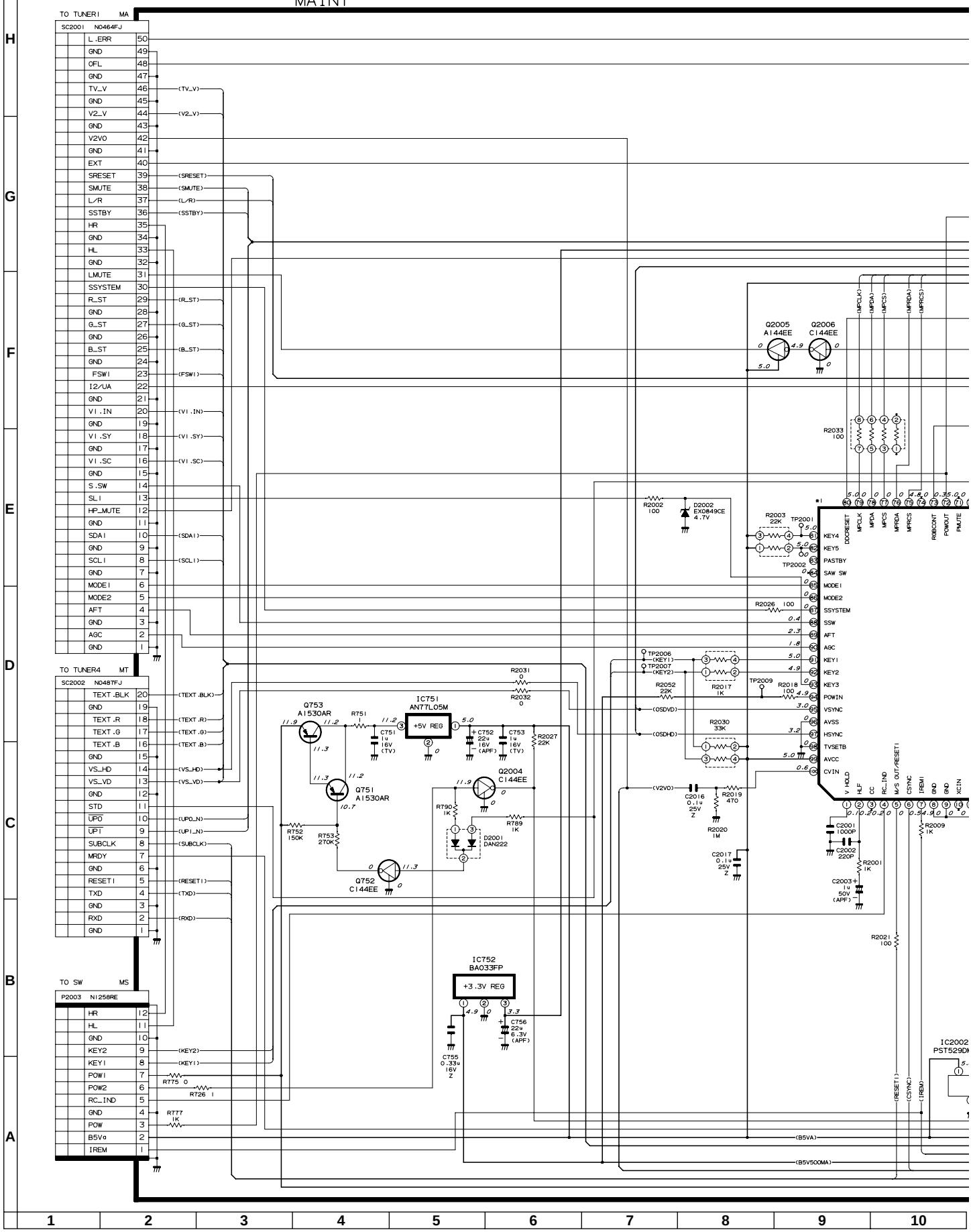
R/C, LED

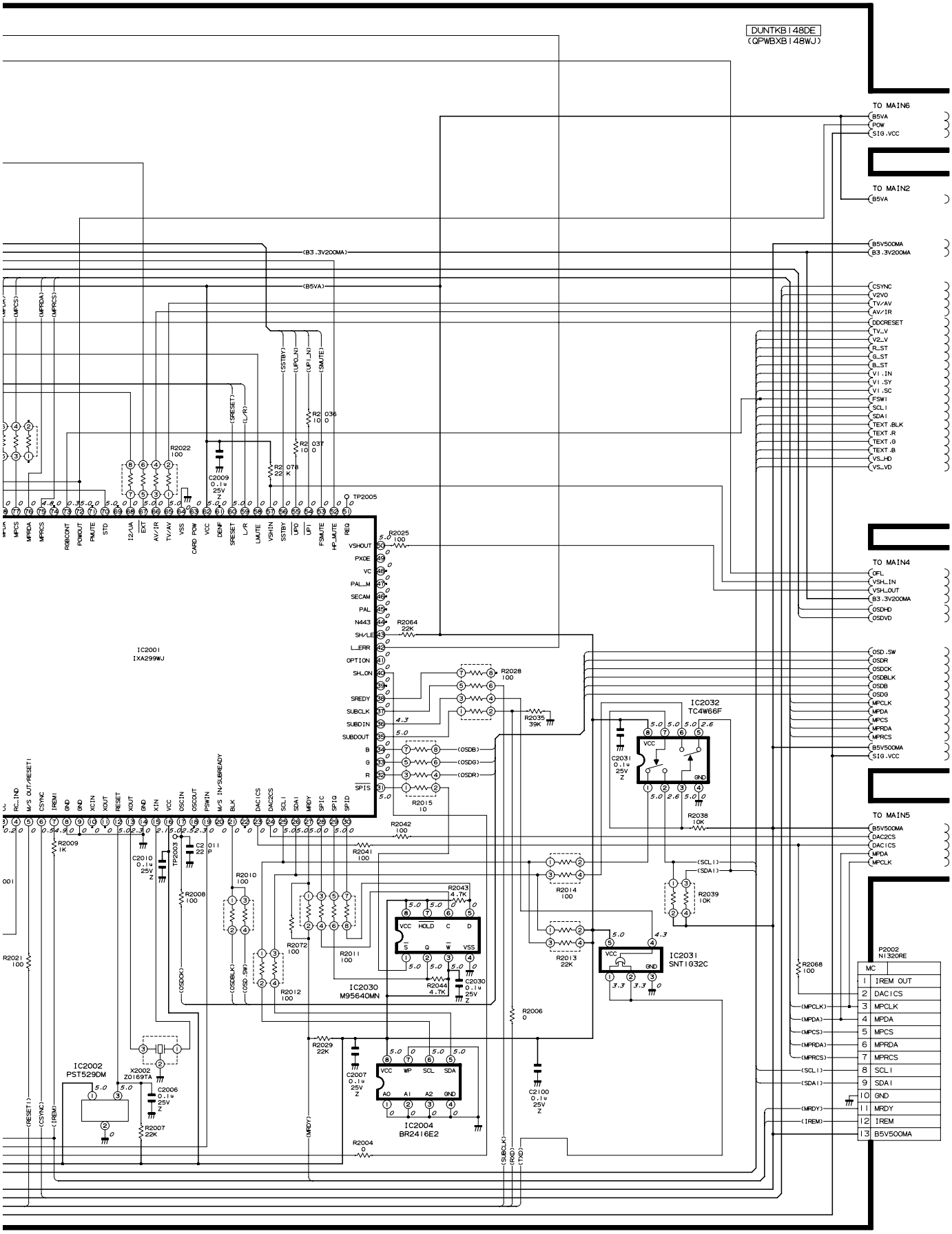


OPERATION



■ MAIN Unit-1/6 (LC-13E1E)

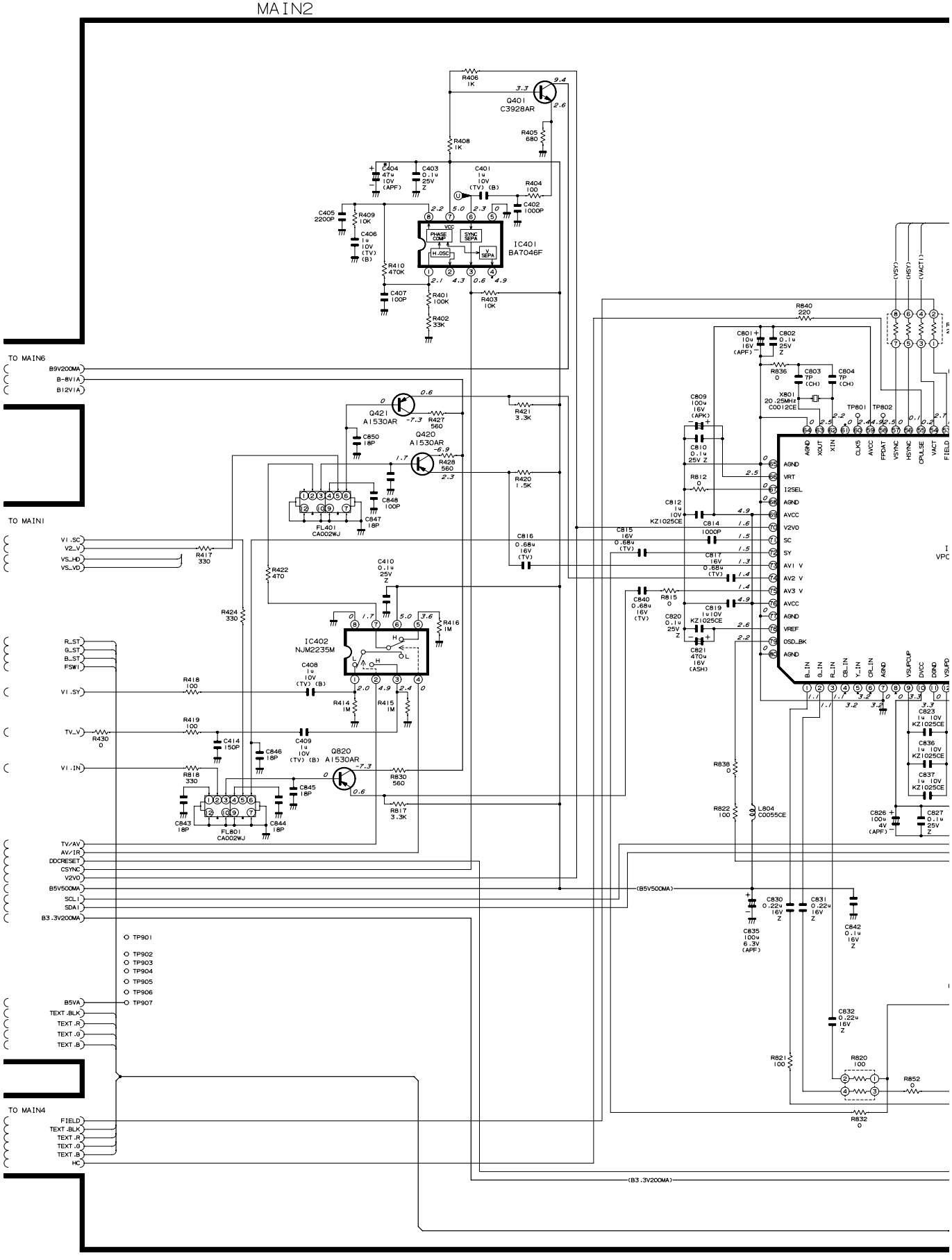


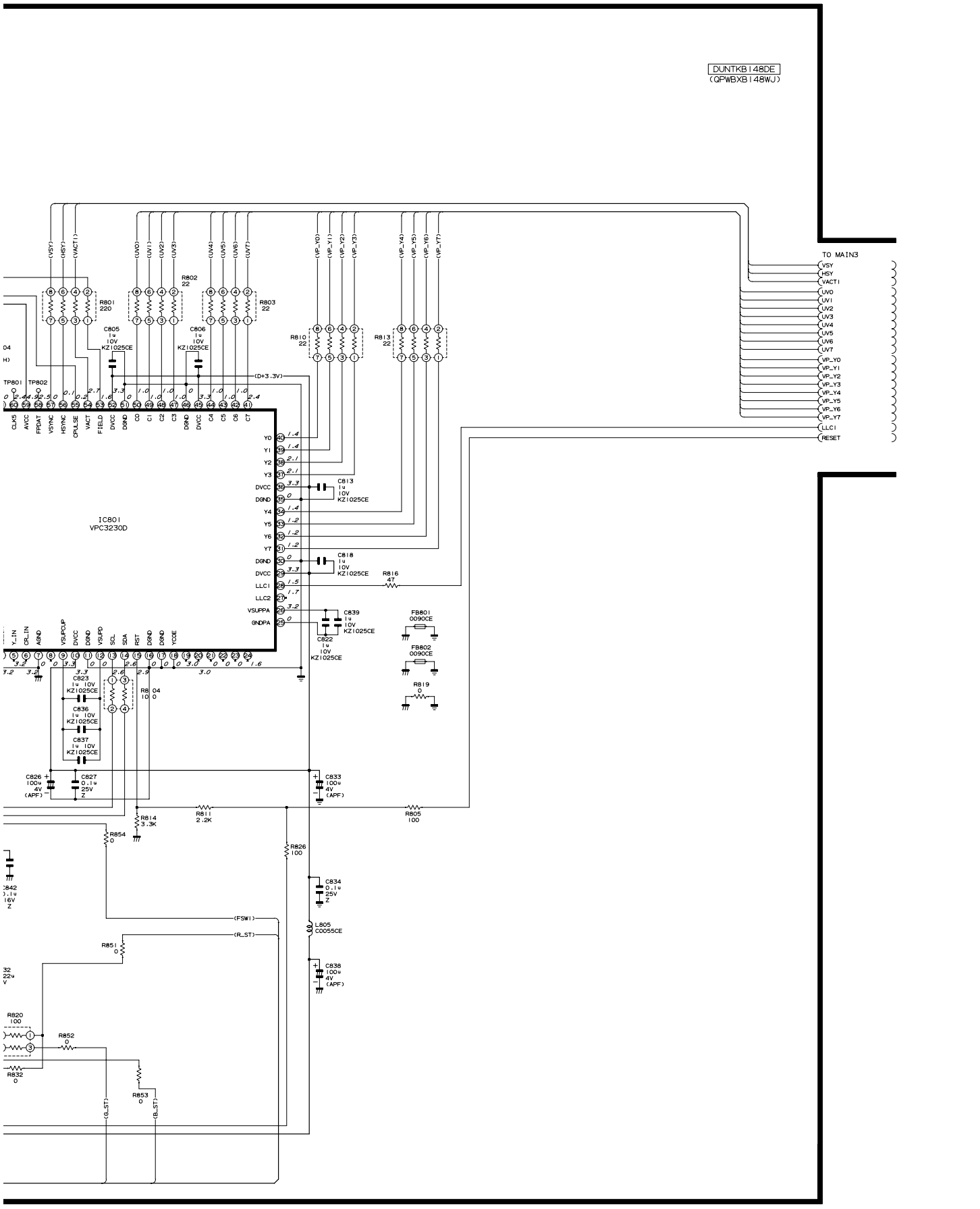


10	11	12	13	14	15	16	17	18	19

■ MAIN Unit-2/6 (LC-13E1E)

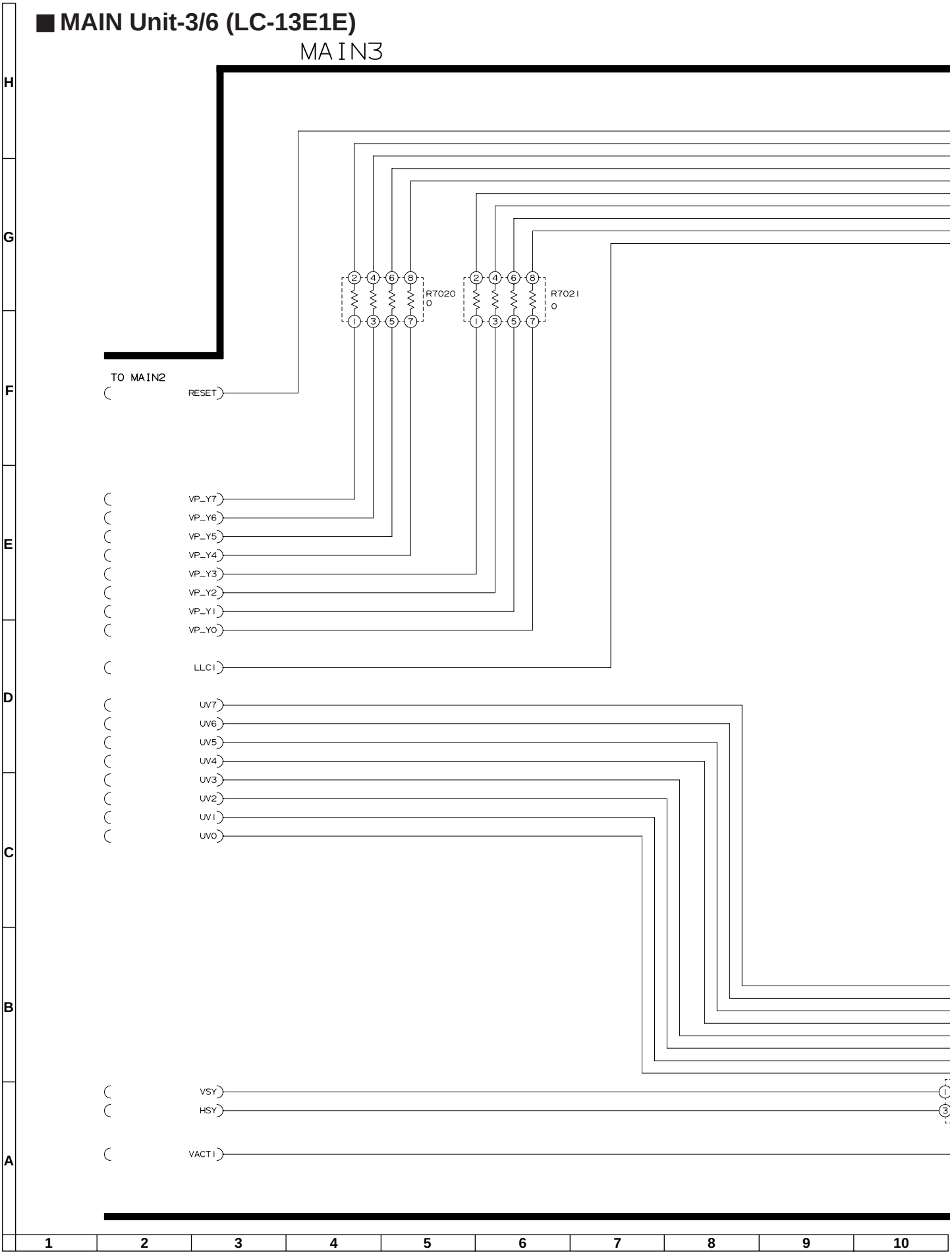
MAIN2

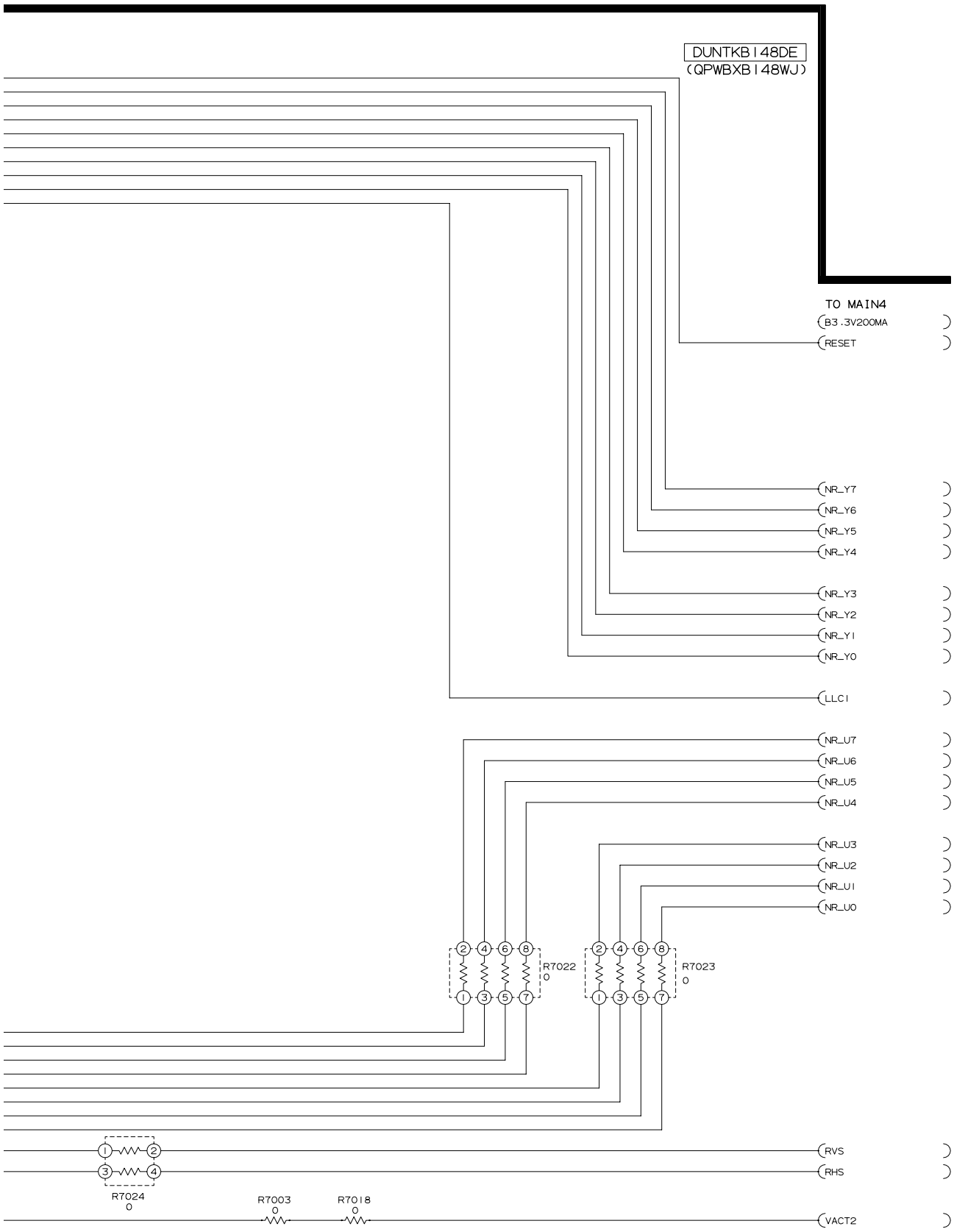




10	11	12	13	14	15	16	17	18	19

■ MAIN Unit-3/6 (LC-13E1E)

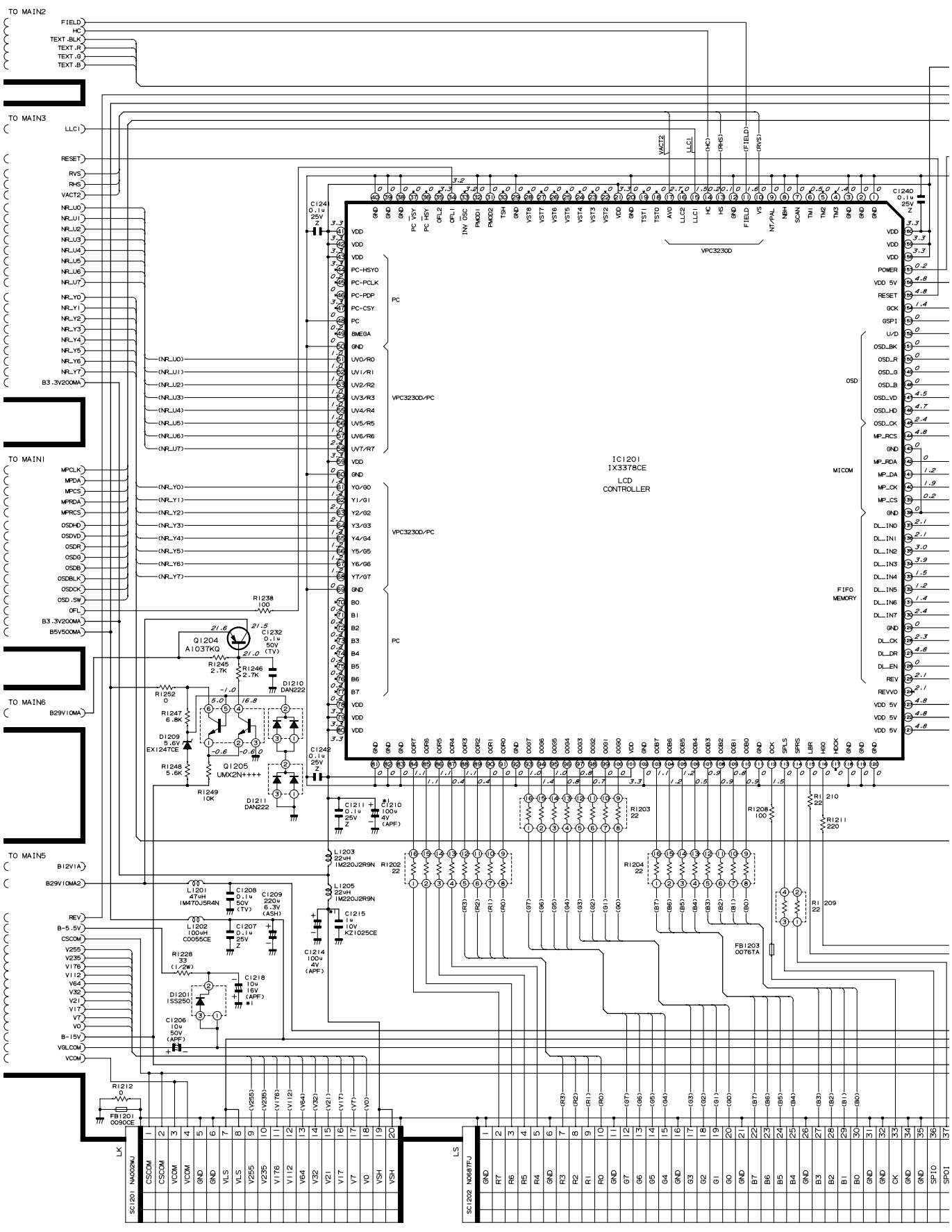


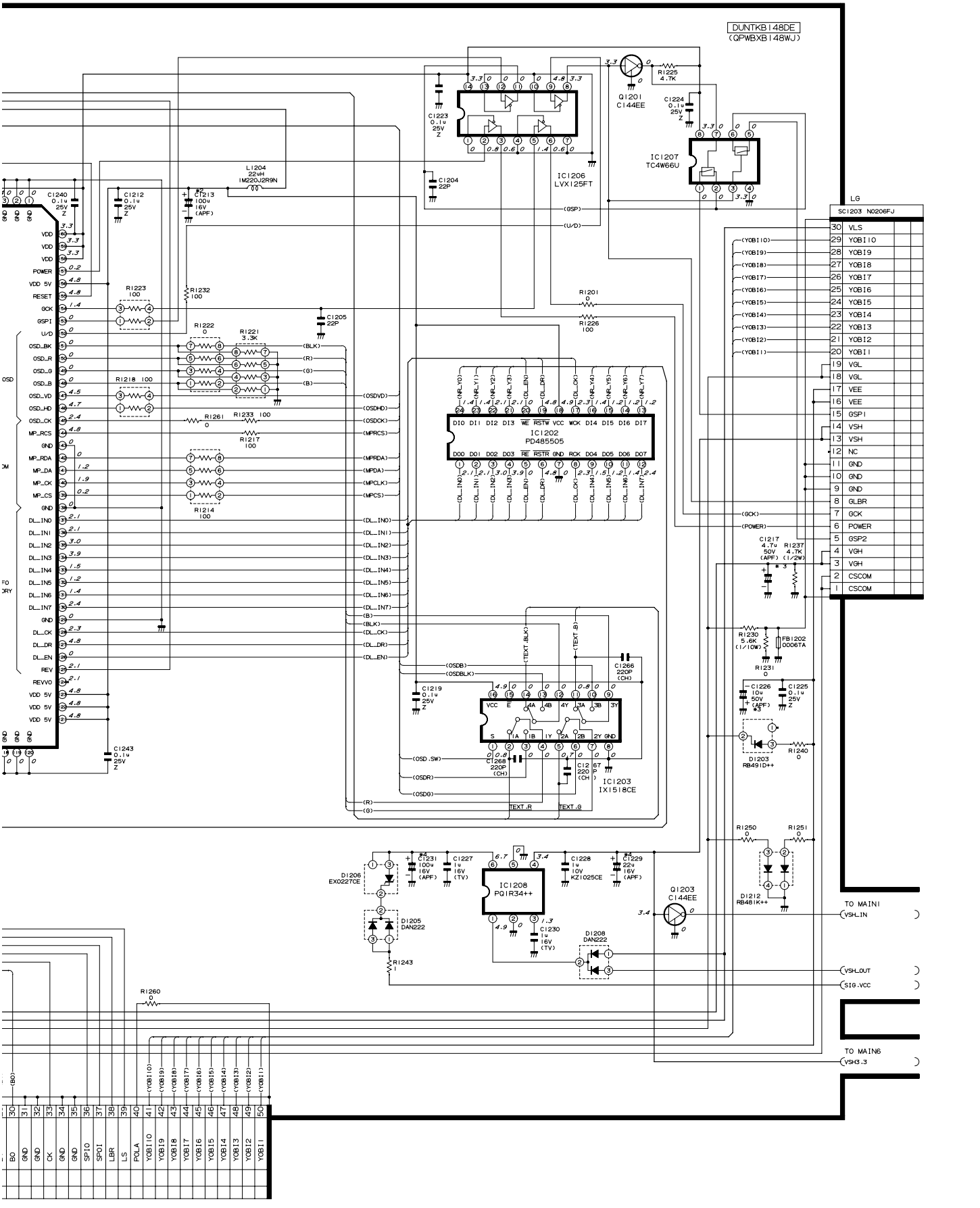


10	11	12	13	14	15	16	17	18	19

■ MAIN Unit-4/6 (LC-13E1E)

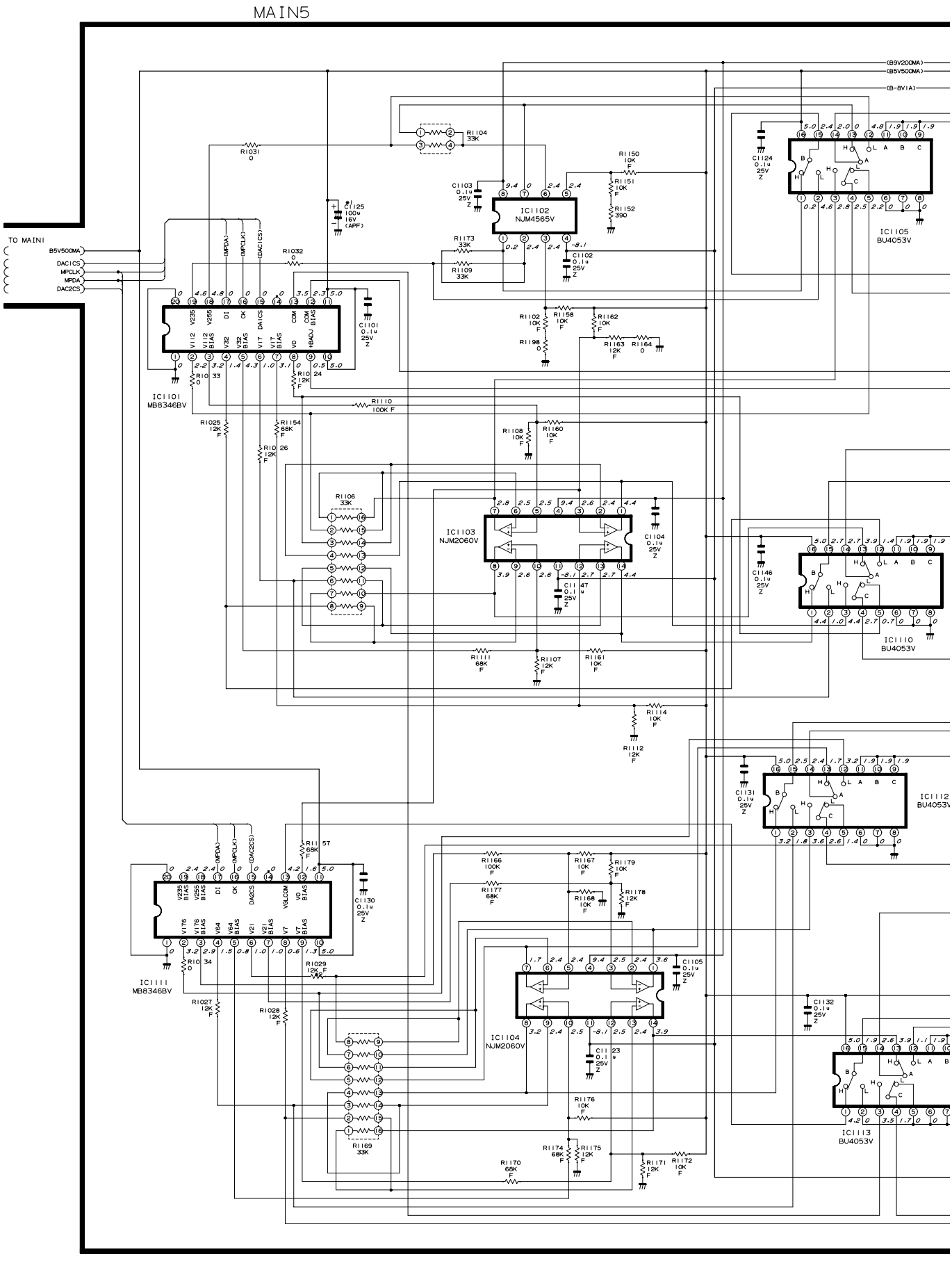
MAIN4

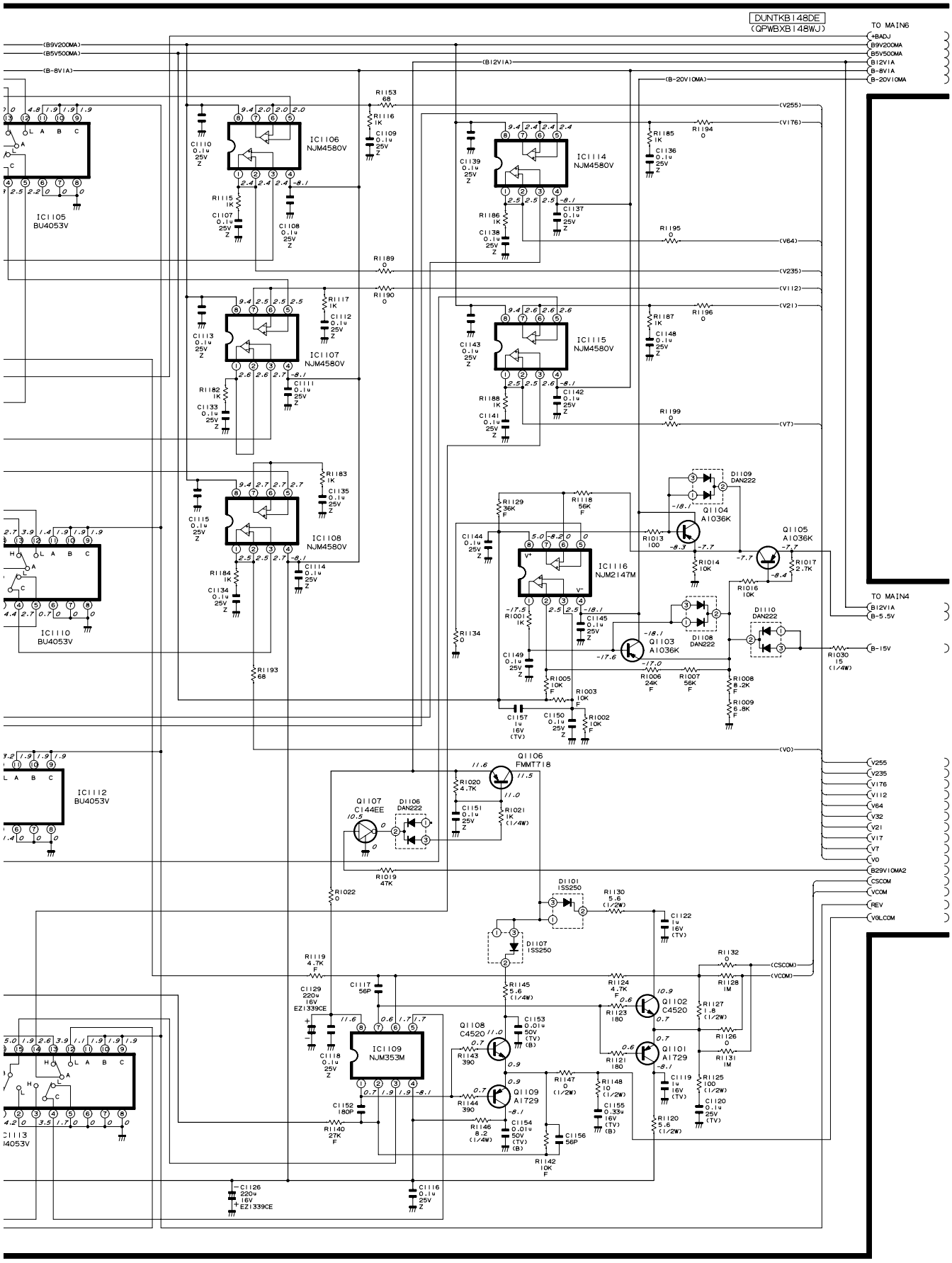




10	11	12	13	14	15	16	17	18	19

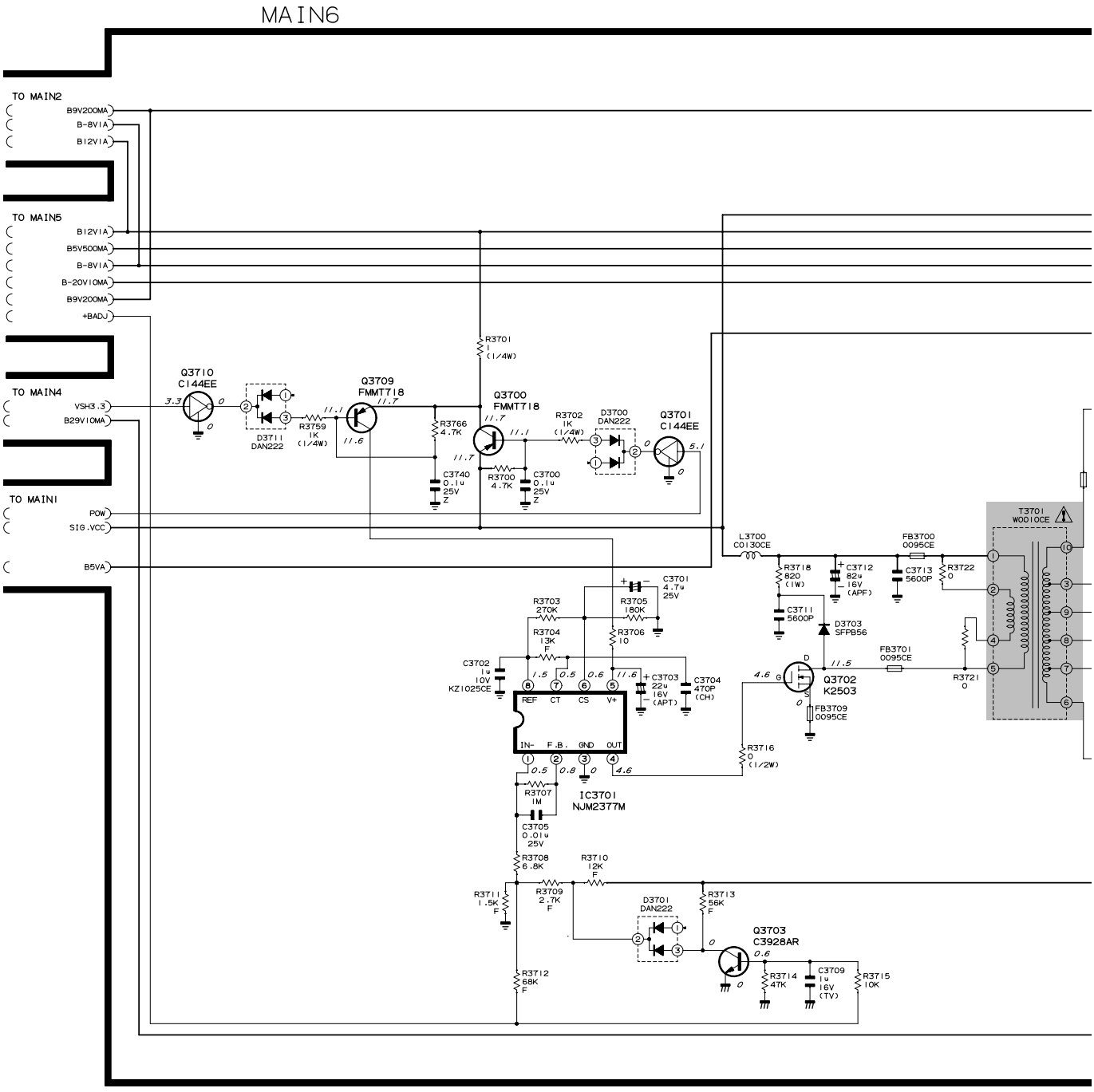
■ MAIN Unit-5/6 (LC-13E1E)

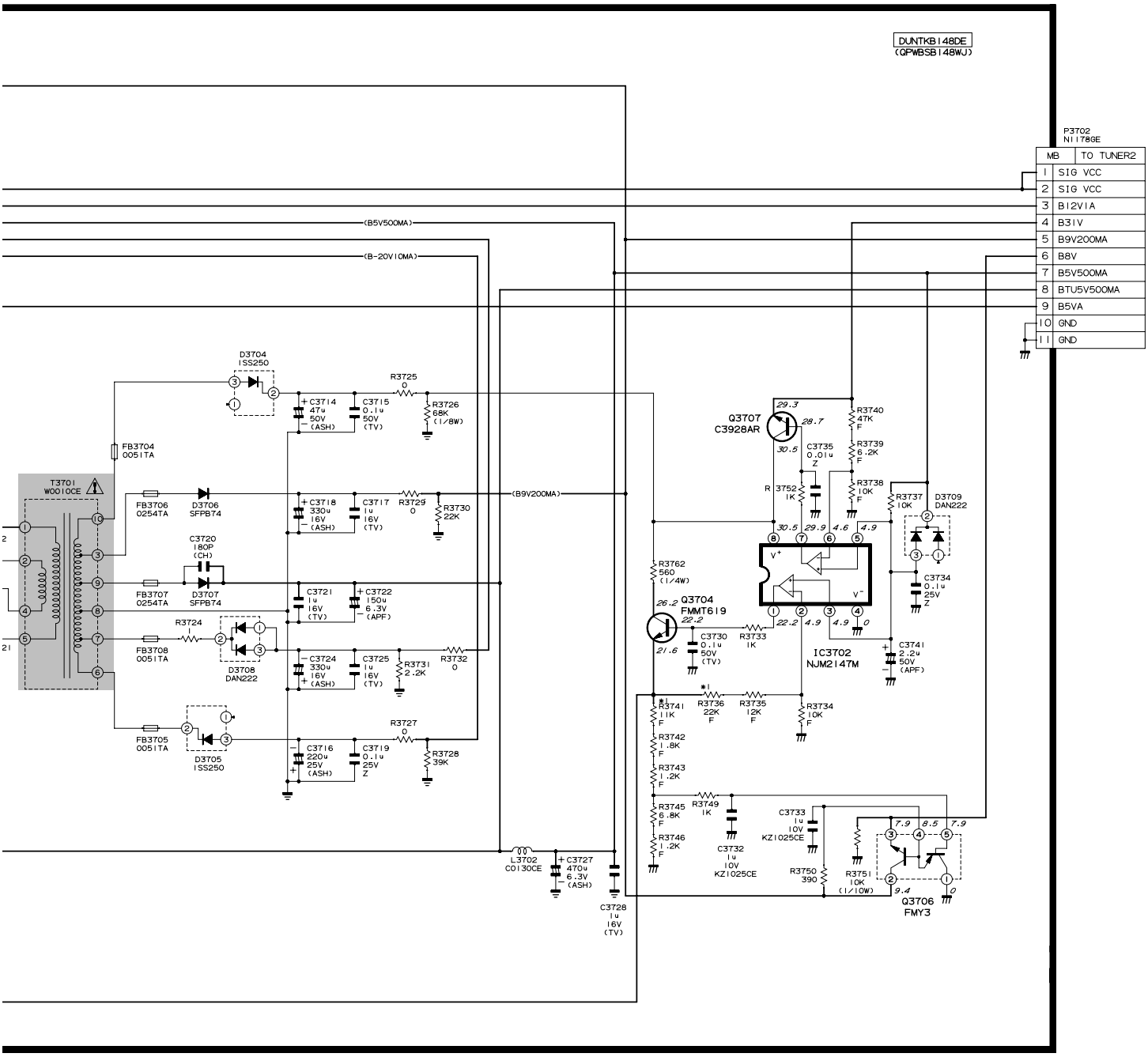




10	11	12	13	14	15	16	17	18	19

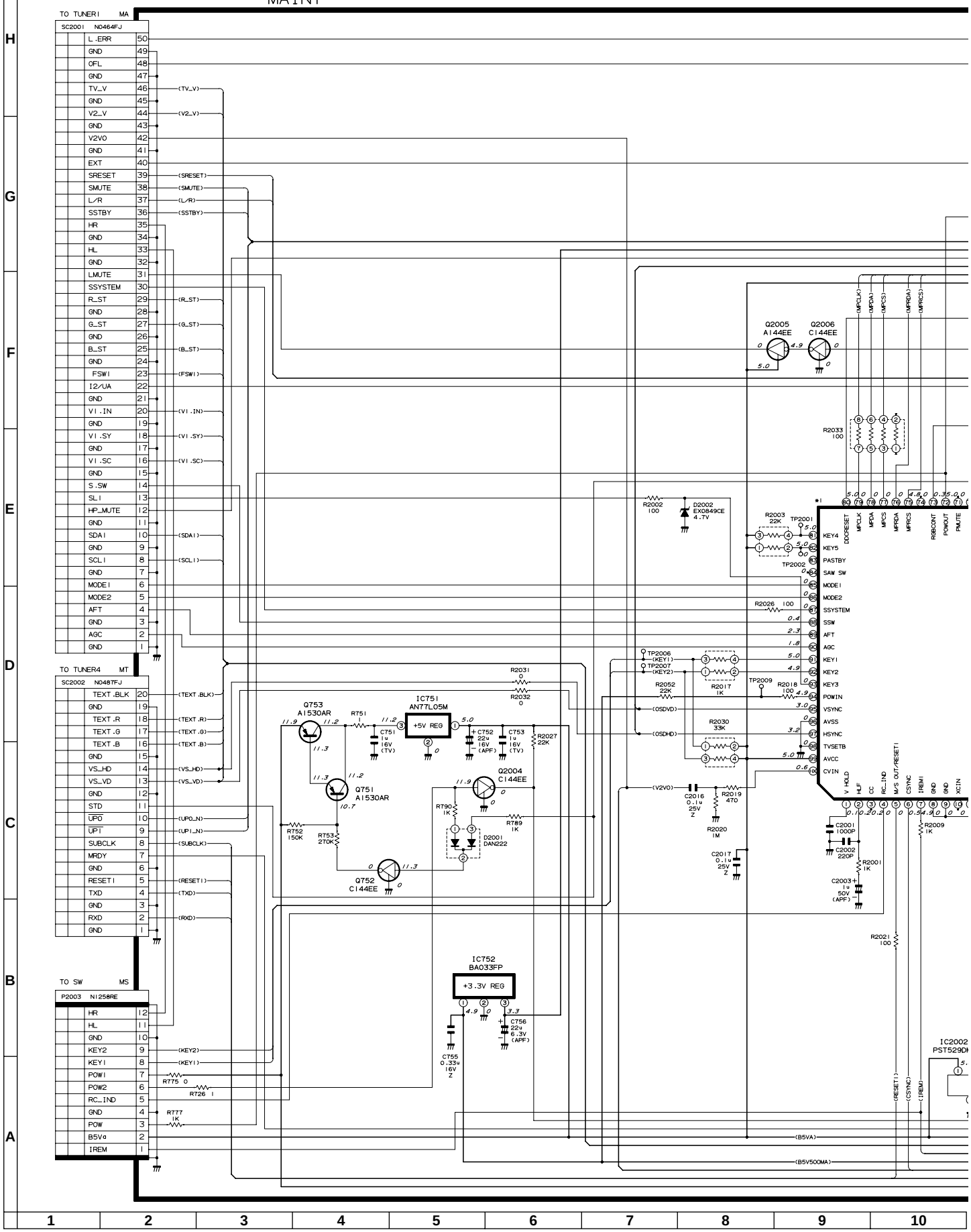
■ MAIN Unit-6/6 (LC-13E1E)

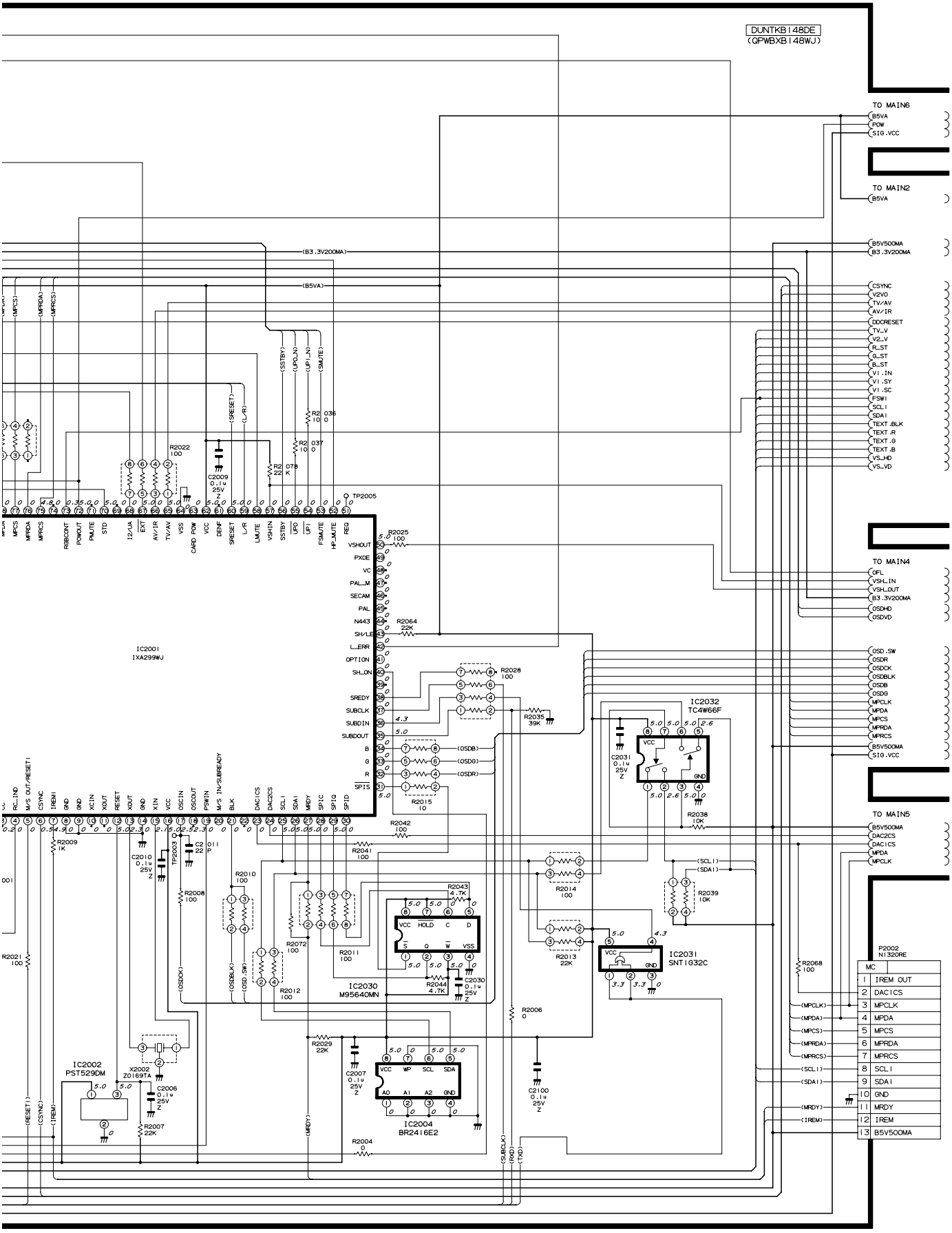




10	11	12	13	14	15	16	17	18	19

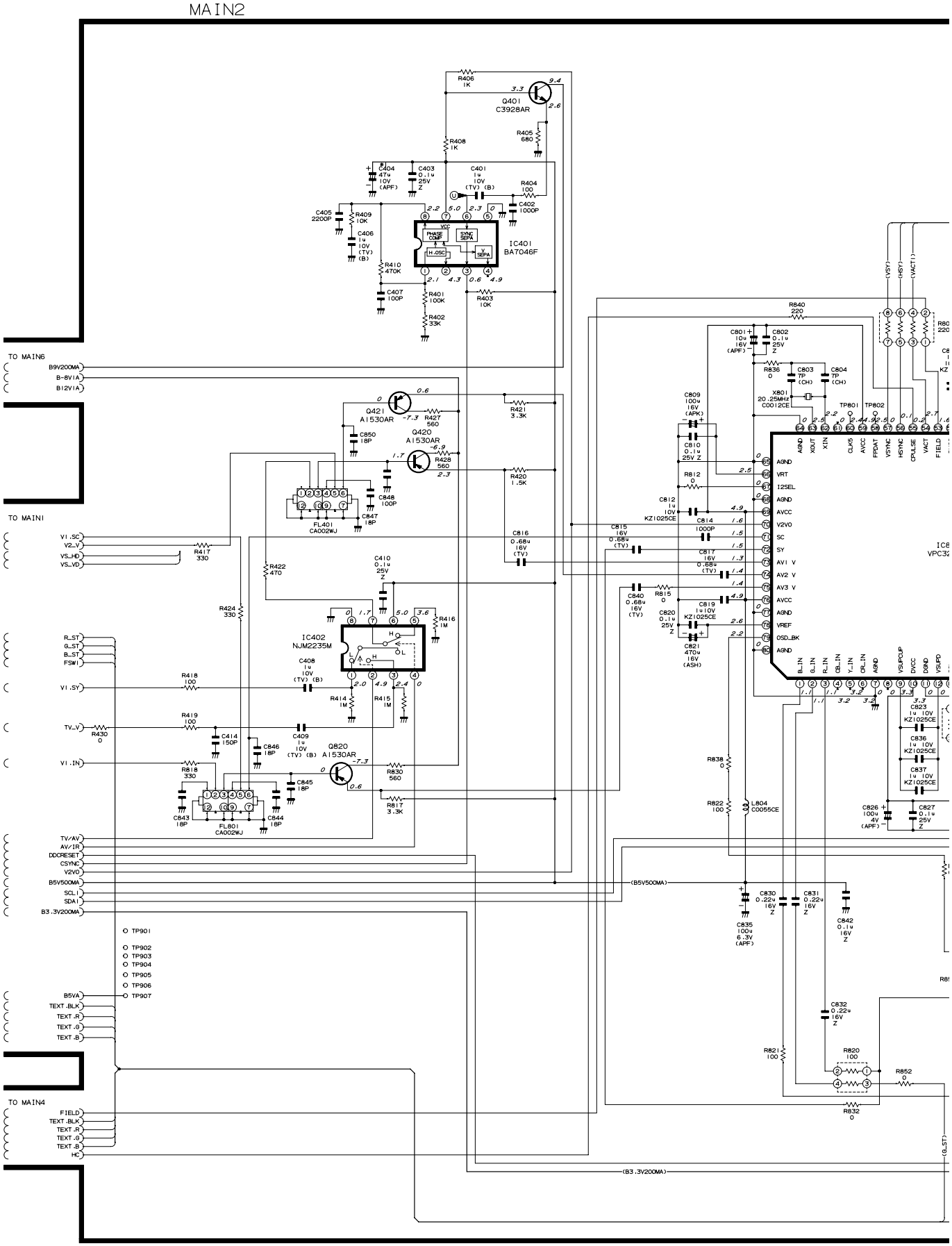
■ MAIN Unit-1/6 (LC-15E1E)

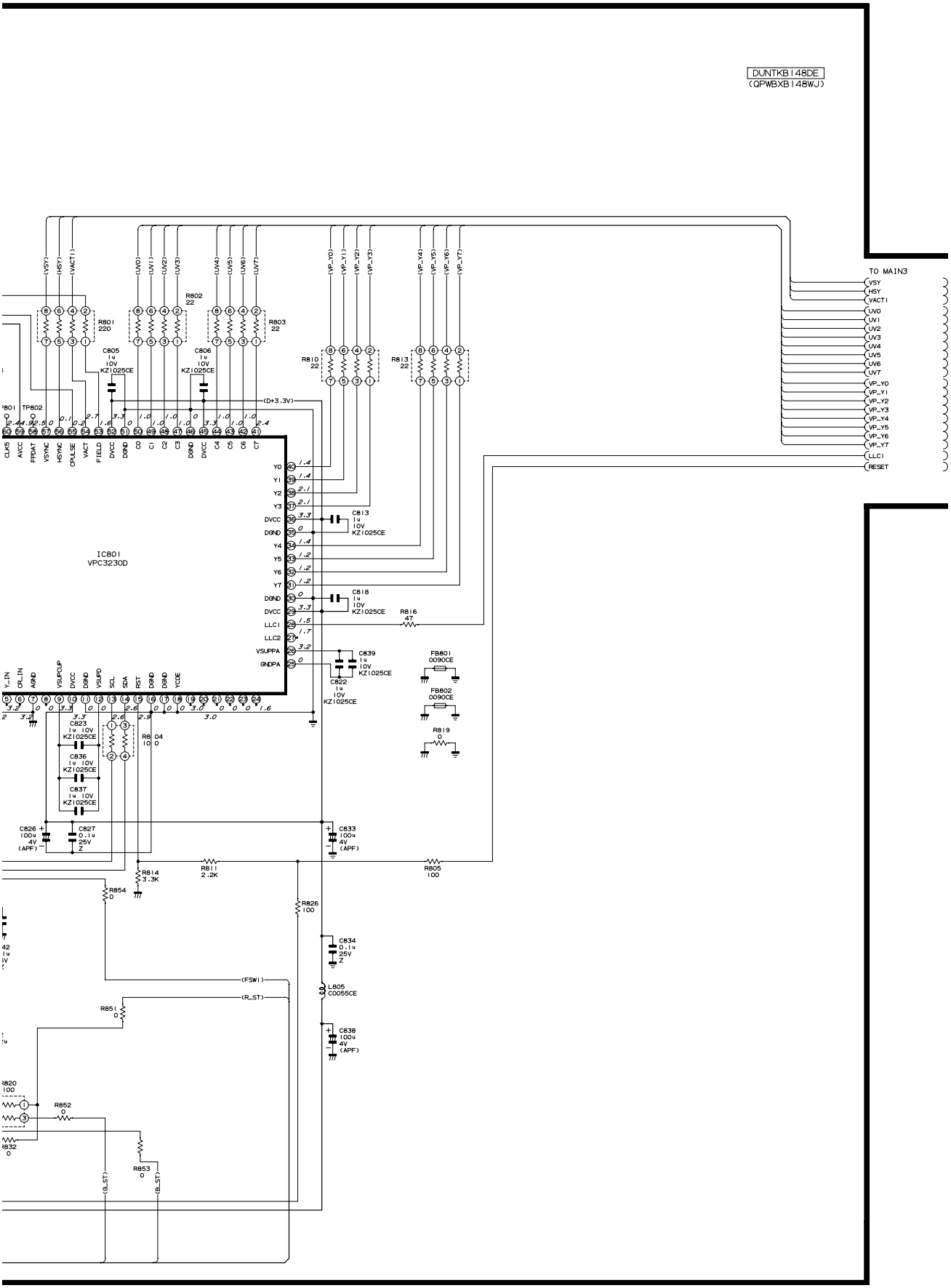




10	11	12	13	14	15	16	17	18	19

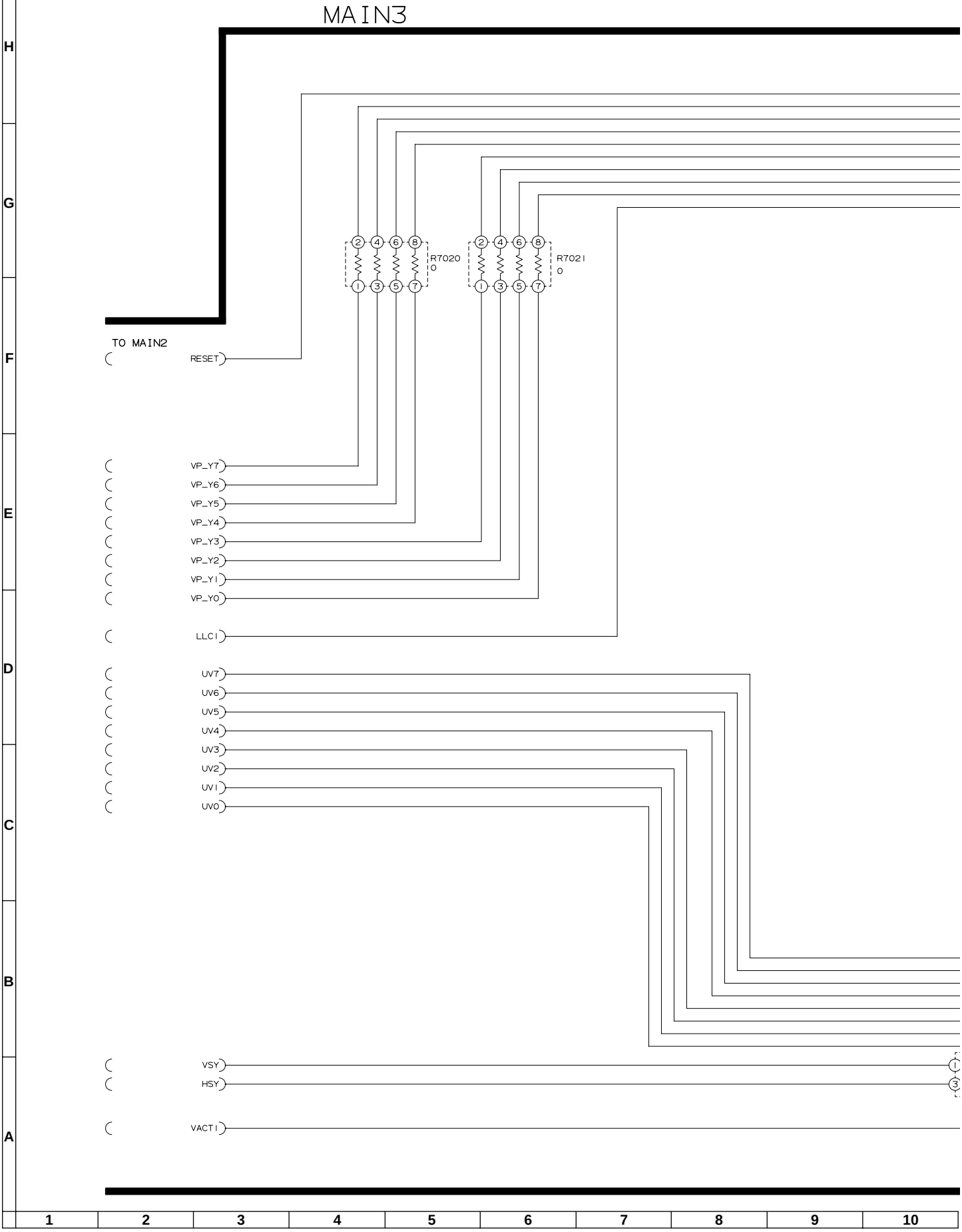
■ MAIN Unit-2/6 (LC-15E1E)

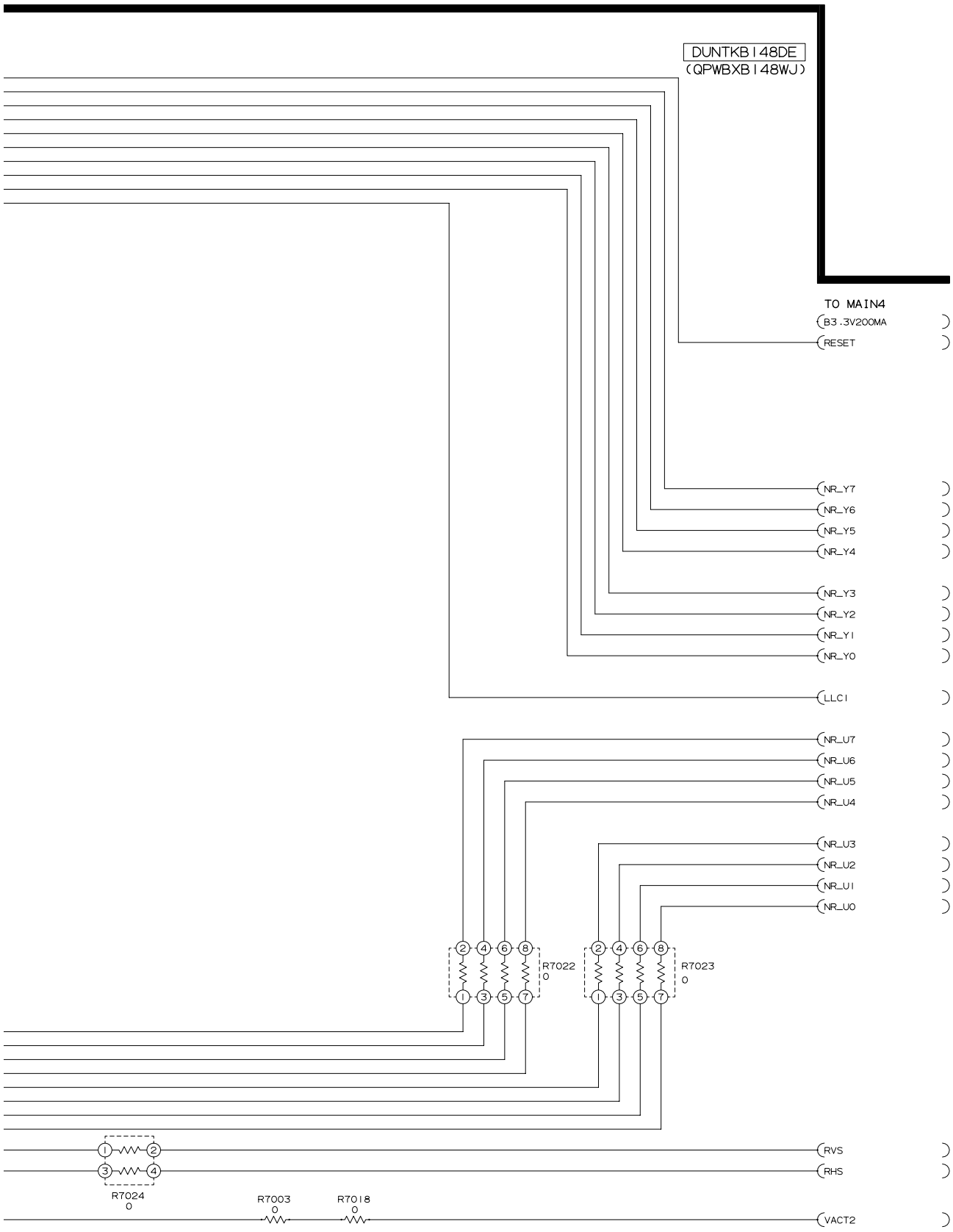




10	11	12	13	14	15	16	17	18	19

■ MAIN Unit-3/6 (LC-15E1E)

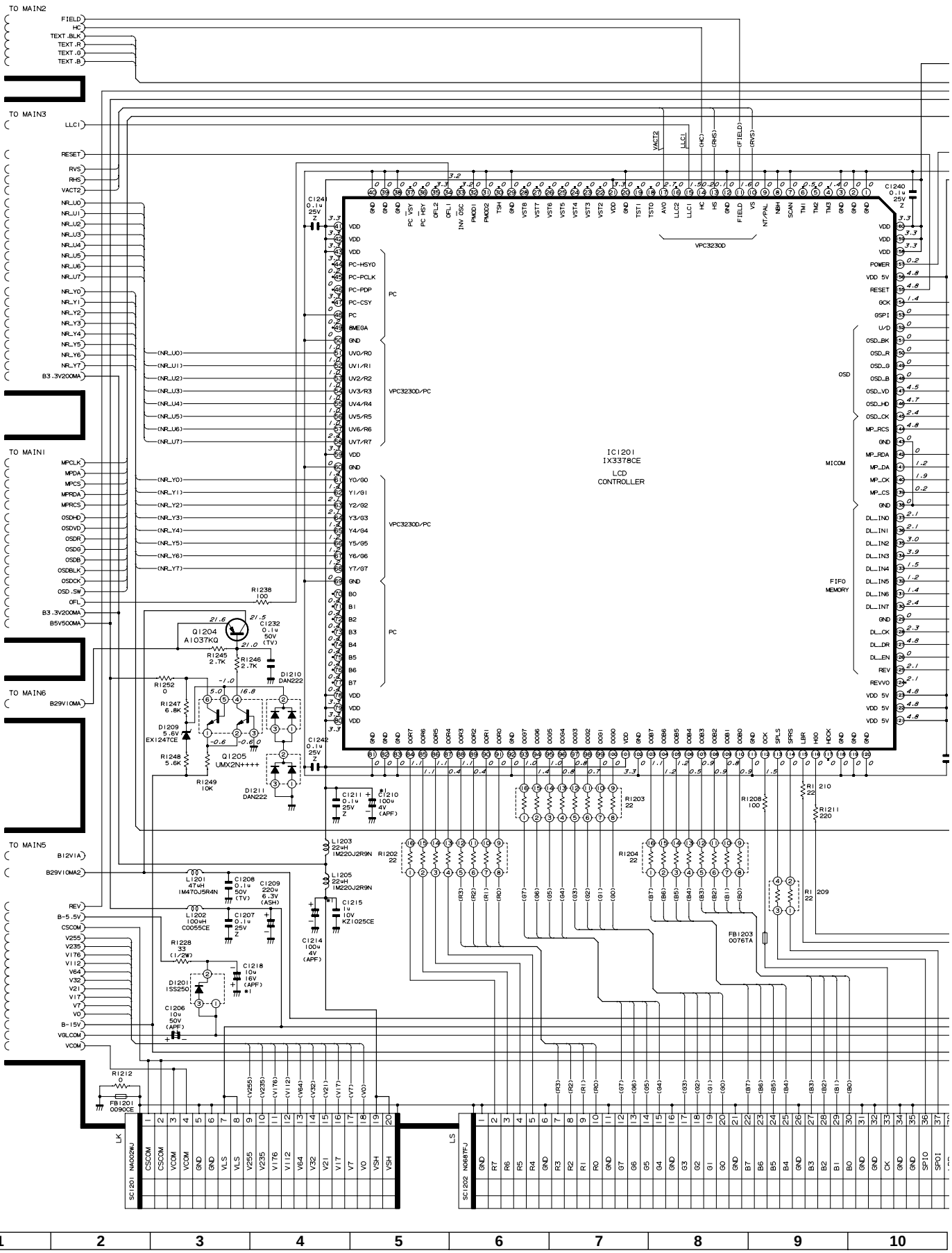


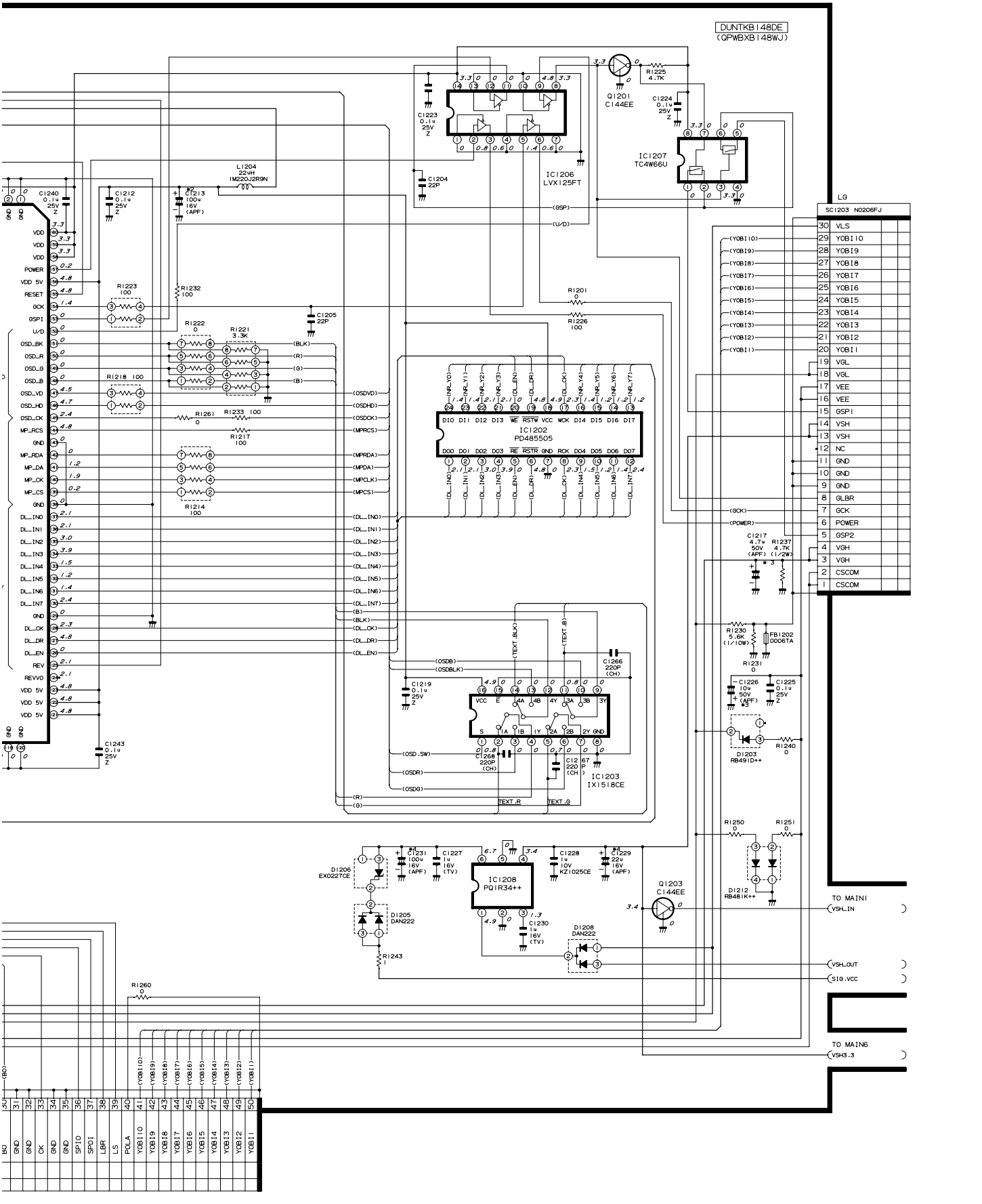


10	11	12	13	14	15	16	17	18	19

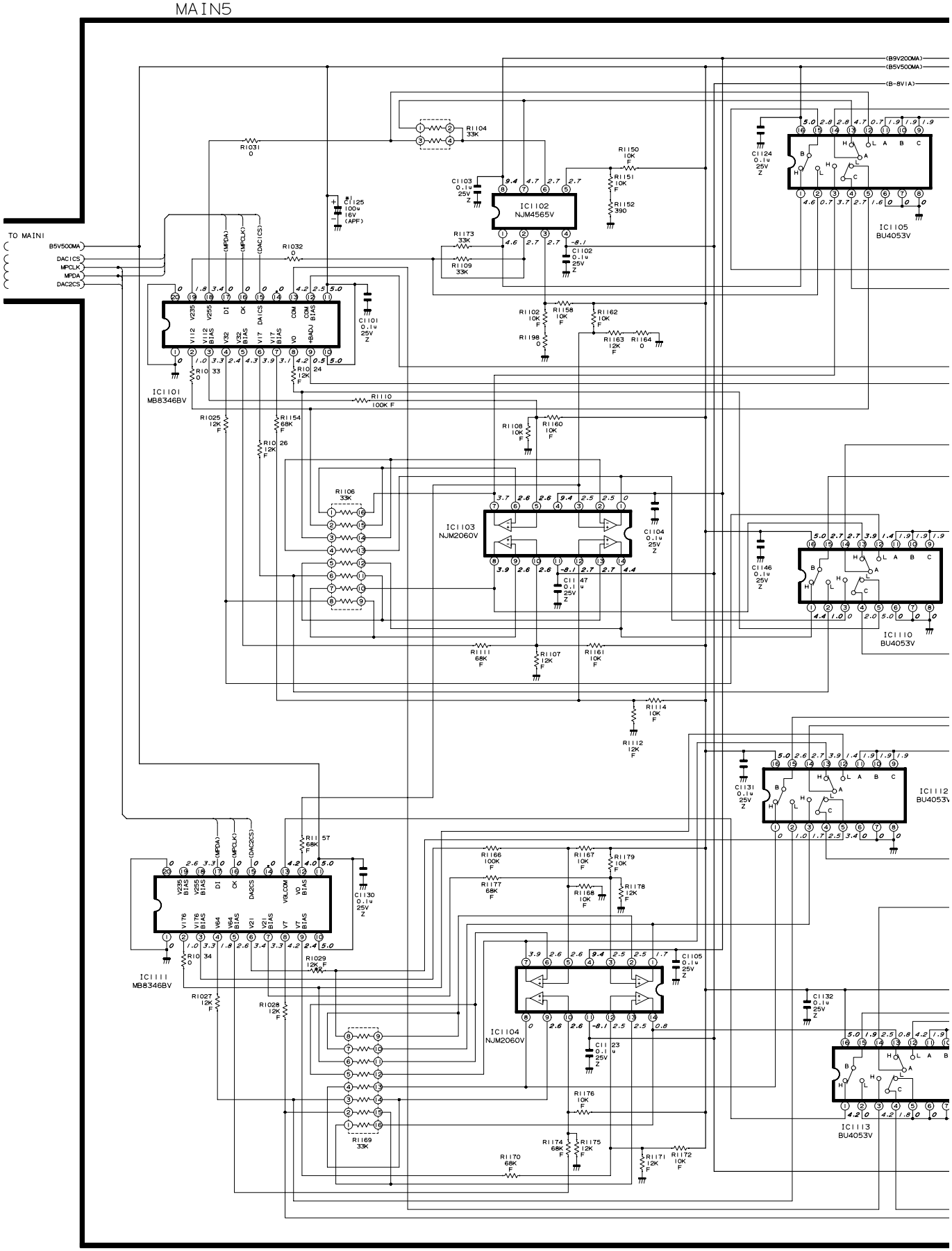
■ MAIN Unit-4/6 (LC-15E1E)

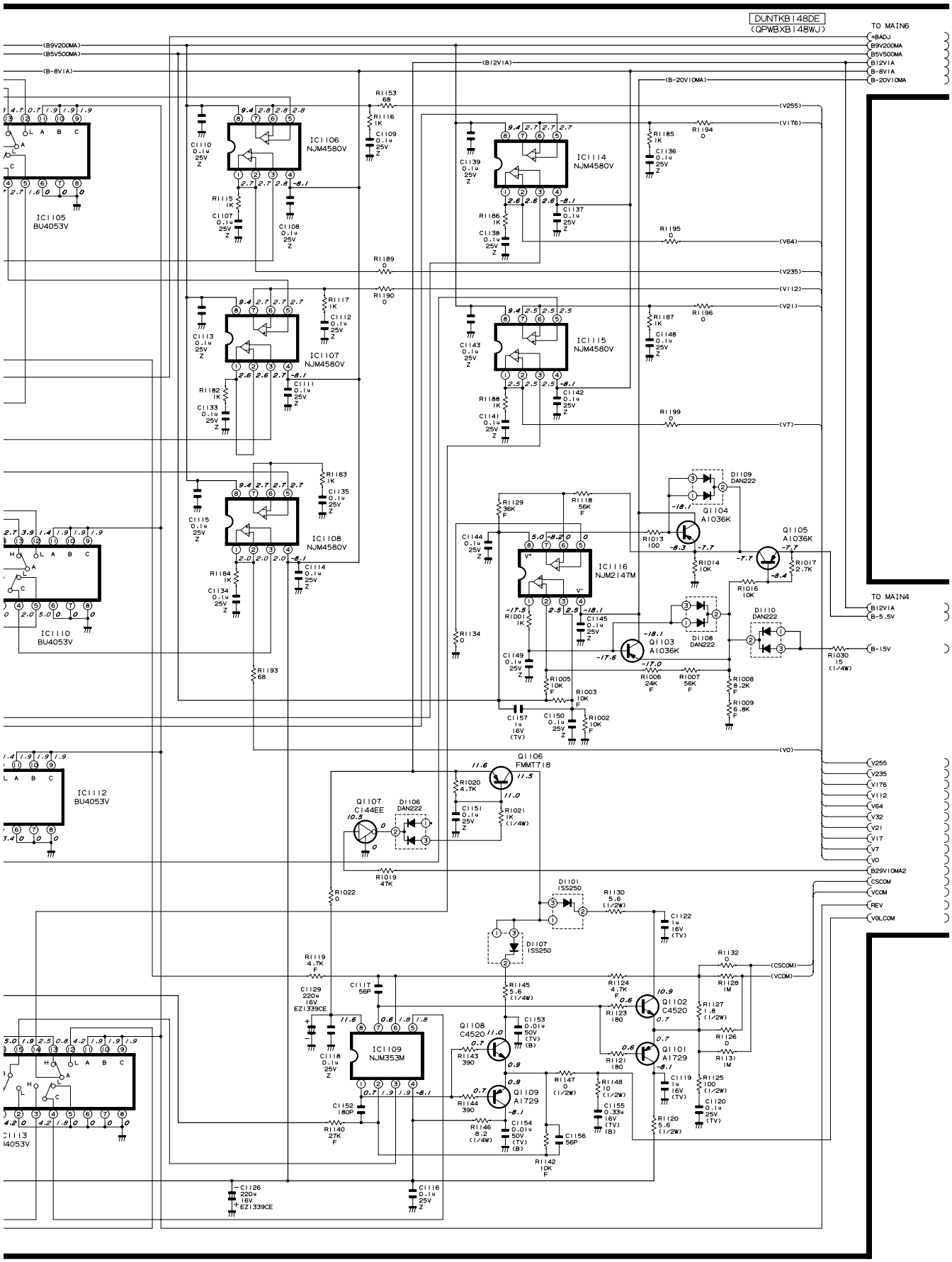
MAIN4




DUNTKB148DE
(QPWBXB148WJ)
IC1202
PD485505
IC1203
IX1518CE
IC1206
LVX125FT
IC1207
TC4W66U
IC1208
PQ1R34++
Q1201
C144EE
Q1203
C144EE
SC1203 N0206FJ
LG
TO MAIN1
TO MAIN6
VSH_IN
VSH_OUT
SIG.VCC
VSH3.3

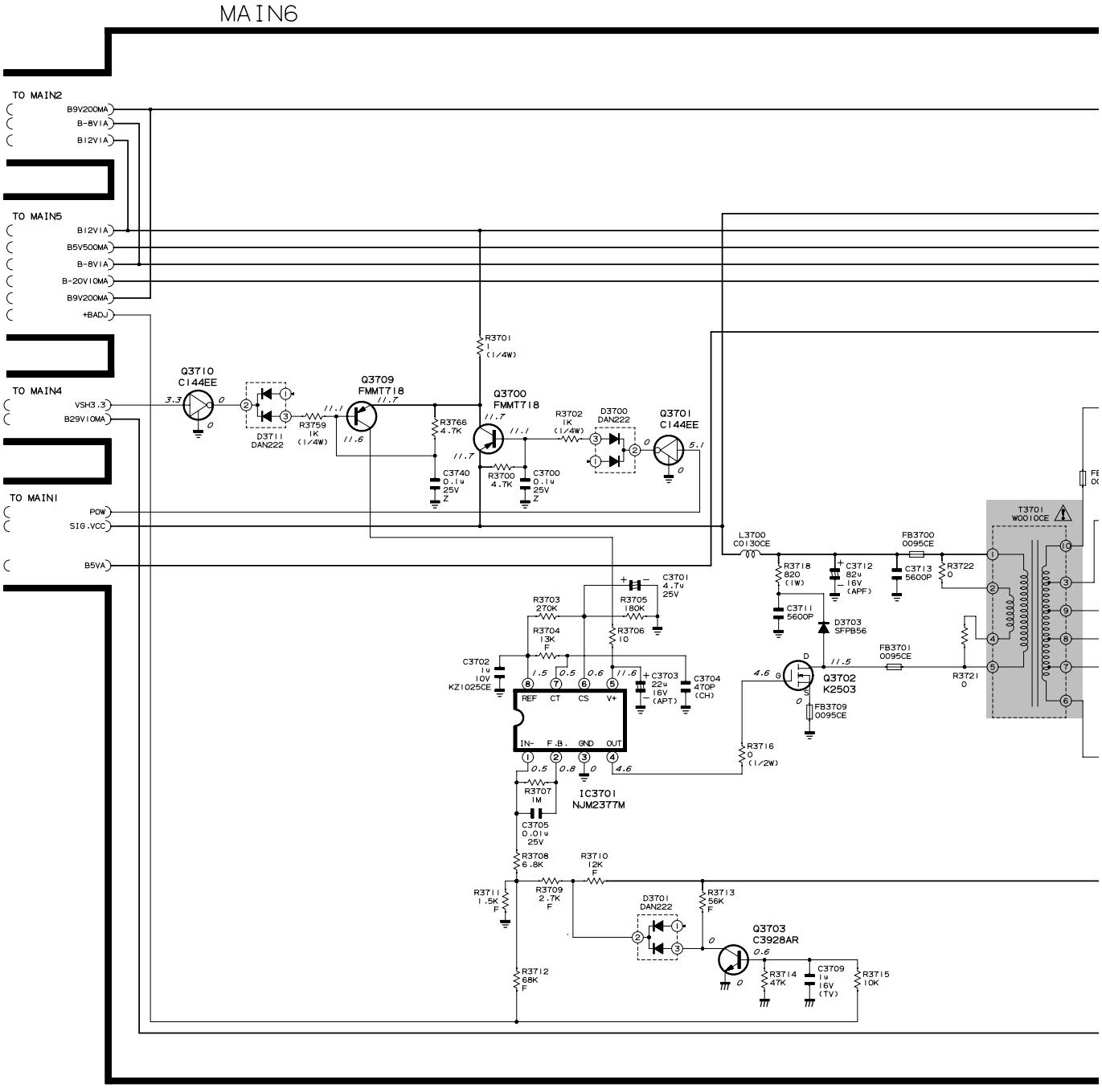
■ MAIN Unit-5/6 (LC-15E1E)

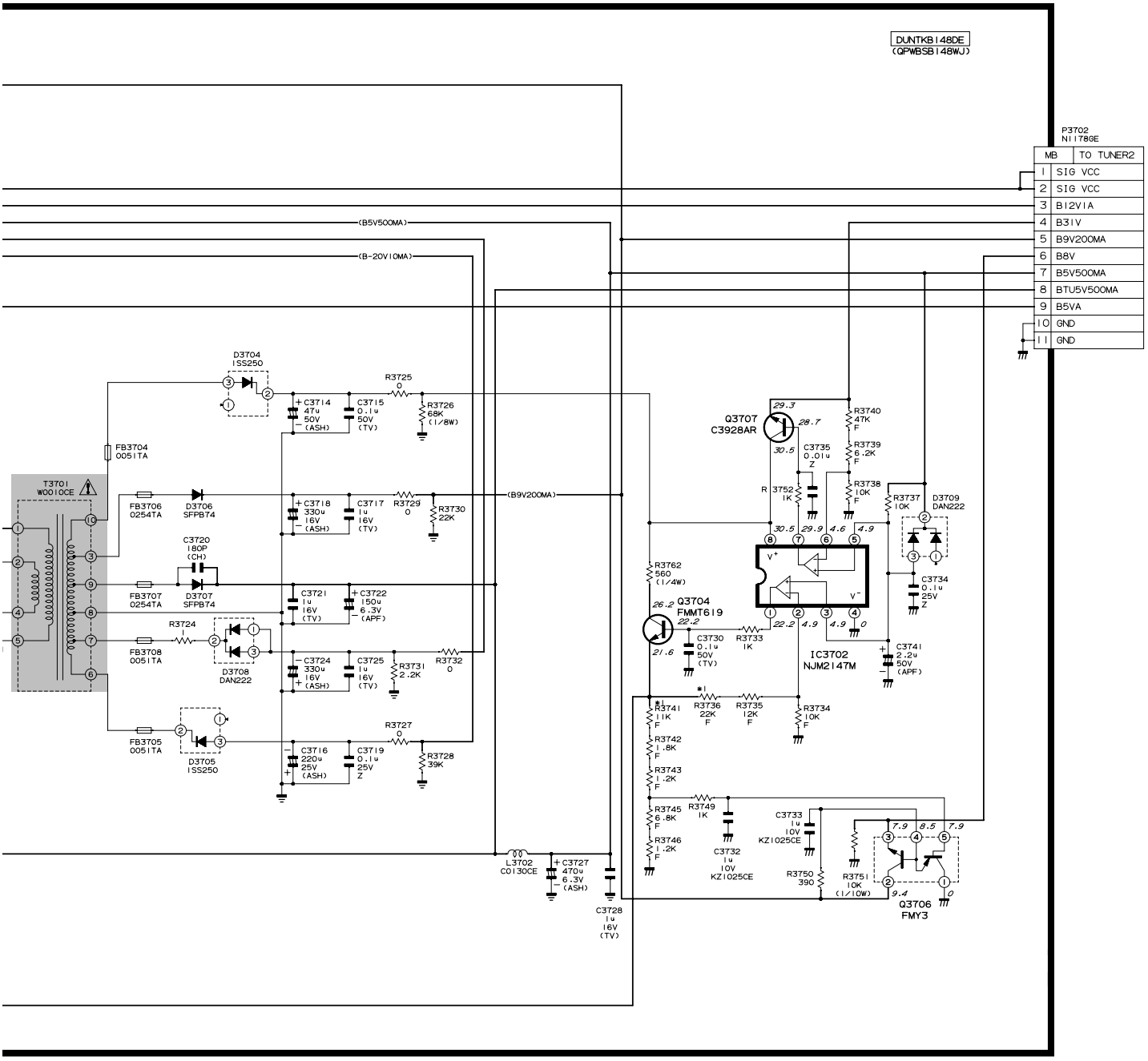




10	11	12	13	14	15	16	17	18	19

■ MAIN Unit-6/6 (LC-15E1E)





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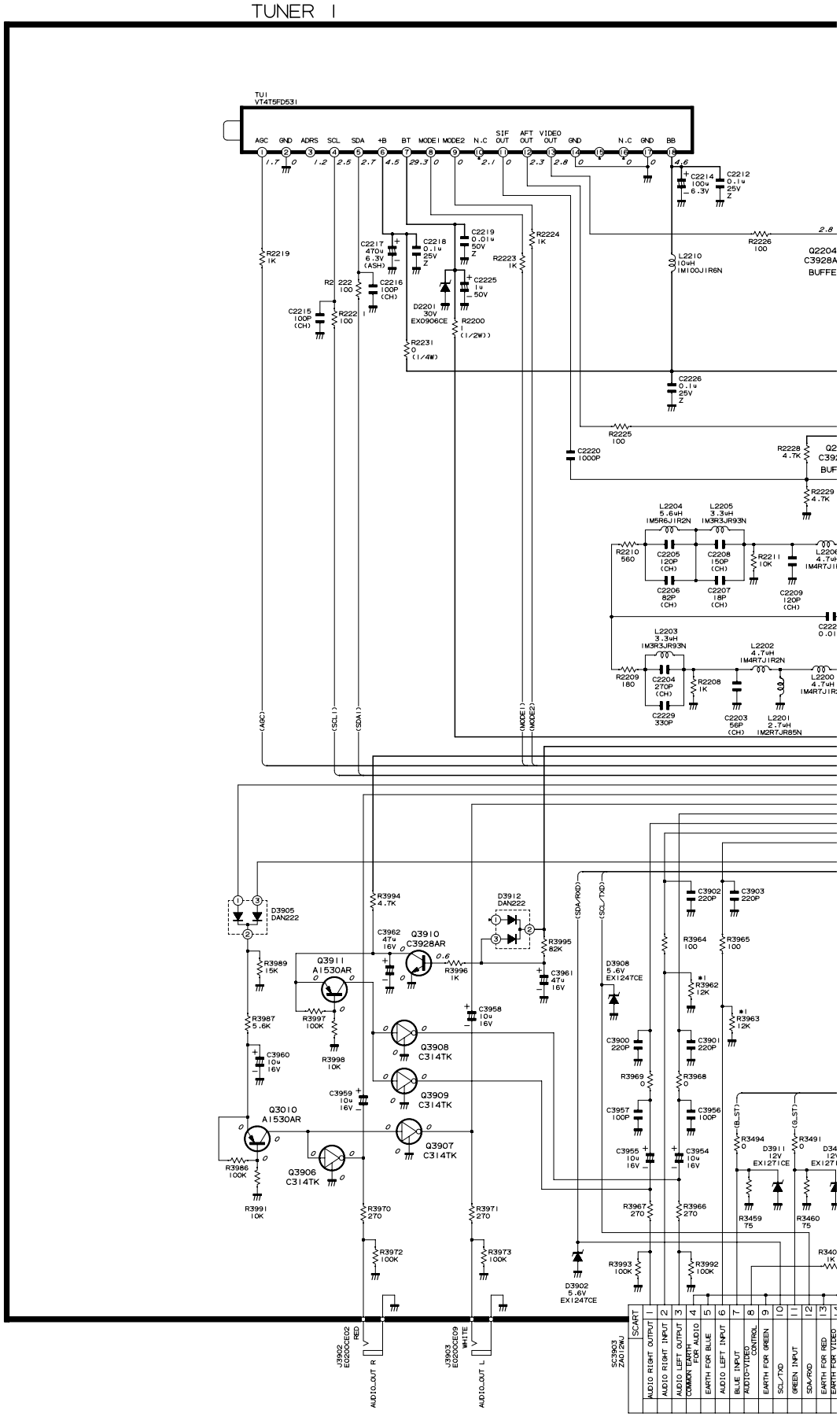
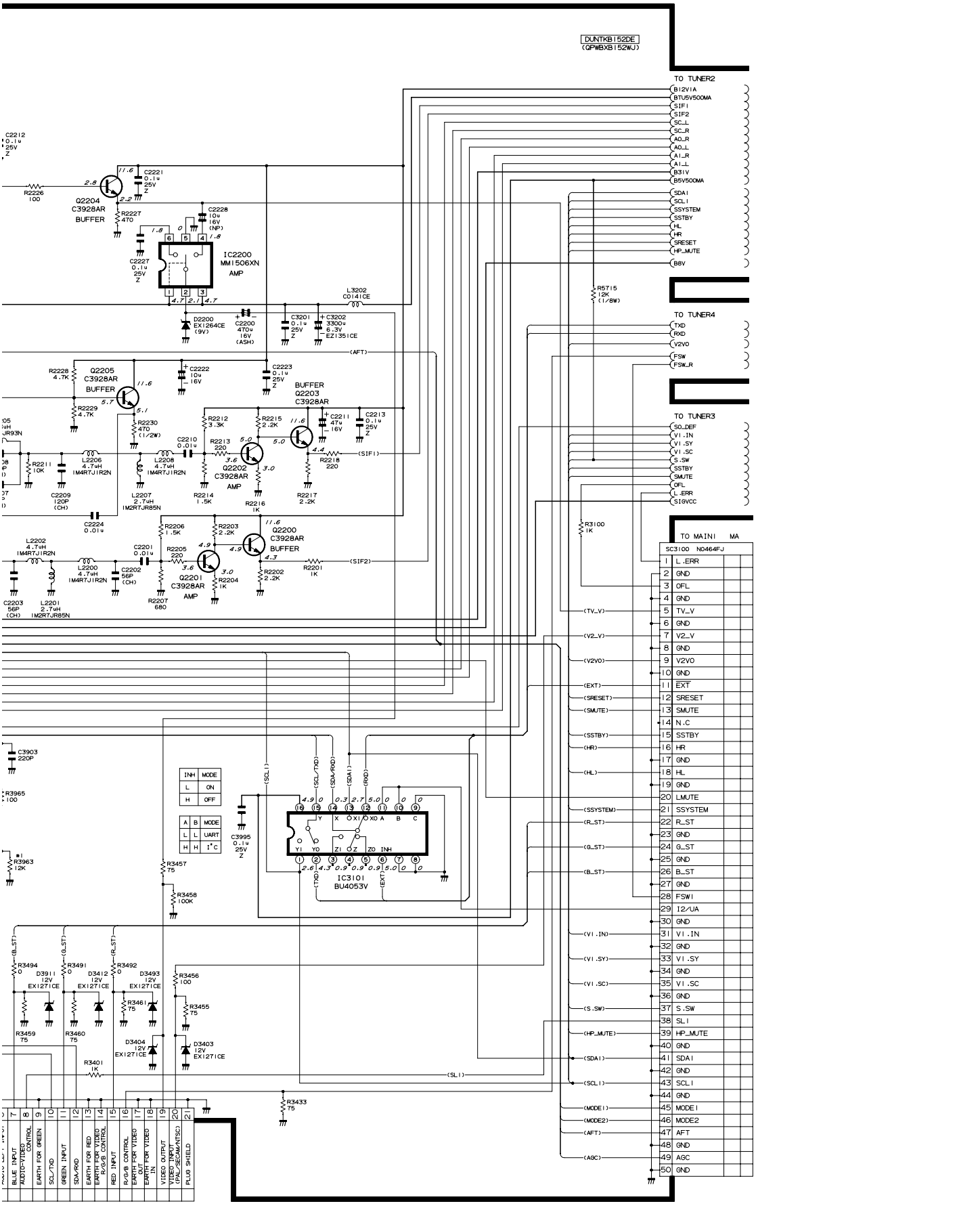
■ TUNER Unit-1/4 (LC-13E1E)

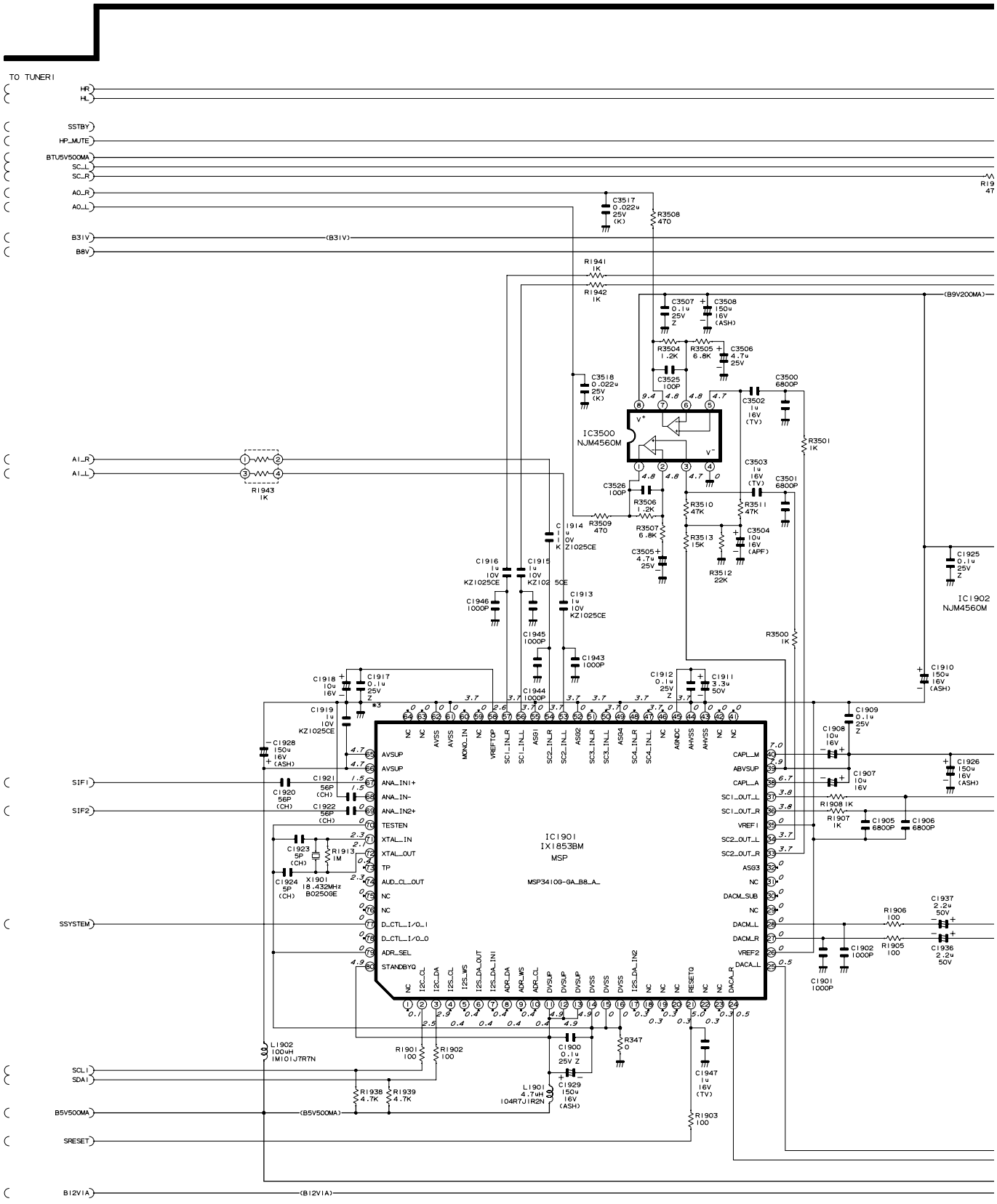
TUNER I

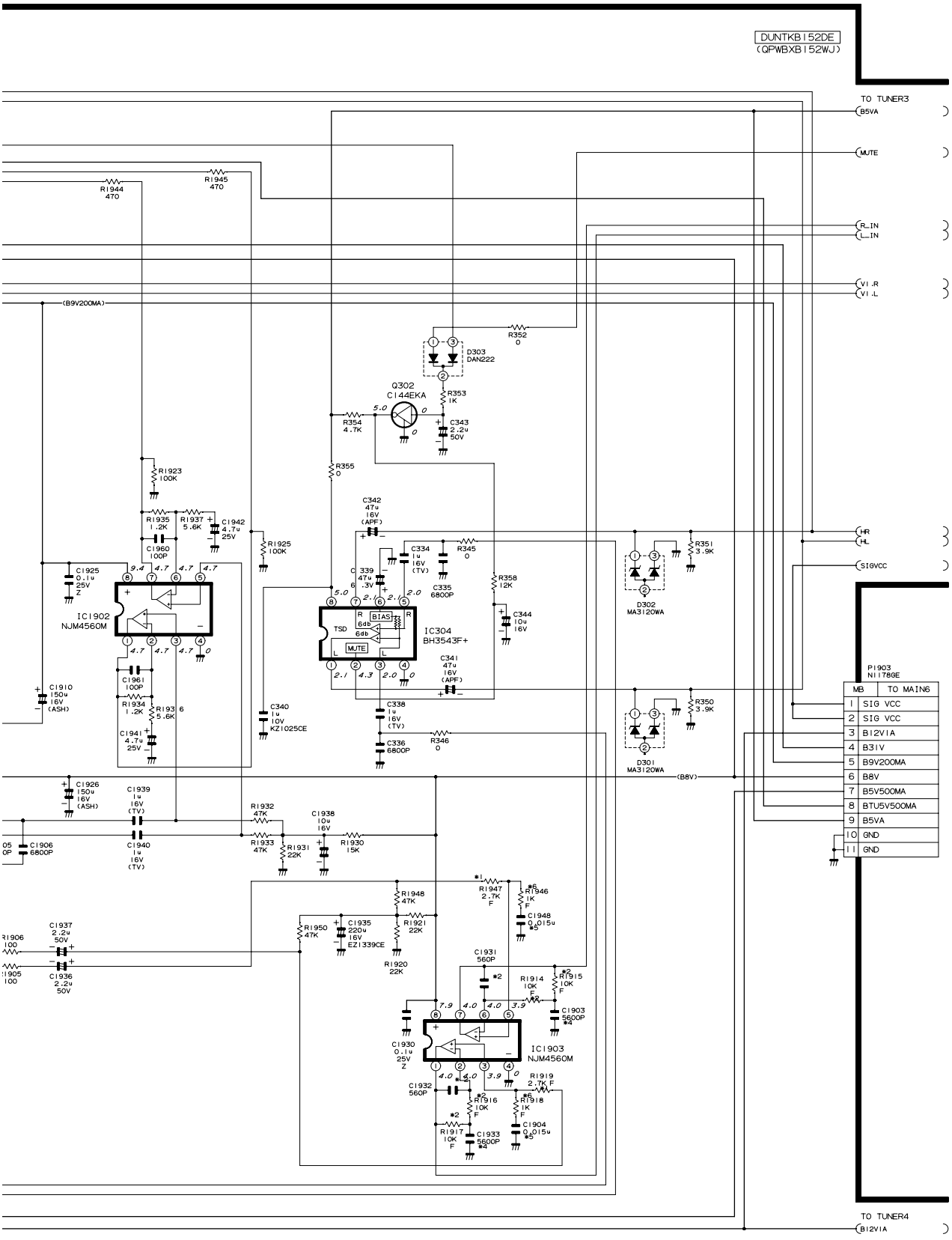



DUNTKB152DE
(QPWBXB152WJ)
TO TUNER2
B12V1A
BTU5V500MA
SIF1
SIF2
SC_L
SC_R
AO_R
AO_L
AI_R
AI_L
B31V
B5V500MA
SDA1
SCL1
SSYSTEM
SSTBY
HL
HR
SRESET
HP_MUTE
B8V
TO TUNER4
TXD
RXD
V2VO
FSW
FSW_R
TO TUNER3
SO_DEF
VI.IN
VI.SY
VI.SC
S.SW
SSTBY
SMUTE
OFL
L.ERR
SIGVCC
TO MAIN1 MA
SC3100 N0464FJ
L.ERR
GND
OFL
GND
TV_V
GND
V2_V
GND
V2VO
GND
EXT
SRESET
SMUTE
N.C
SSTBY
HR
GND
HL
GND
LMUTE
SSYSTEM
R_ST
GND
G_ST
GND
B_ST
GND
FSW1
I2/UA
GND
VI.IN
GND
VI.SY
GND
VI.SC
GND
S.SW
SL1
HP_MUTE
GND
SDA1
GND
SCL1
GND
MODE1
MODE2
AFT
GND
AGC
GND
IC2200
MM1506XN
AMP
IC3101
BU4053V
Q2204
C3928AR
BUFFER
Q2205
C3928AR
BUFFER
Q2203
C3928AR
BUFFER
Q2202
C3928AR
AMP
Q2201
C3928AR
AMP
Q2200
C3928AR
BUFFER
INH MODE
L ON
H OFF
A B MODE
L L UART
H H I²C
BLUE INPUT
ADDTO-VIDEO CONTROL
EARTH FOR GREEN
SCL/TXD
GREEN INPUT
SDA-RXD
EARTH FOR RED
EARTH FOR R/G/B CONTROL
RED INPUT
R/G/B CONTROL
EARTH FOR VIDEO OUT
EARTH FOR VIDEO IN
VIDEO OUTPUT
VIDEO INPUT (PAL/SECAM/NTSC)
PLUG SHIELD

■ TUNER Unit-2/4 (LC-13E1E)

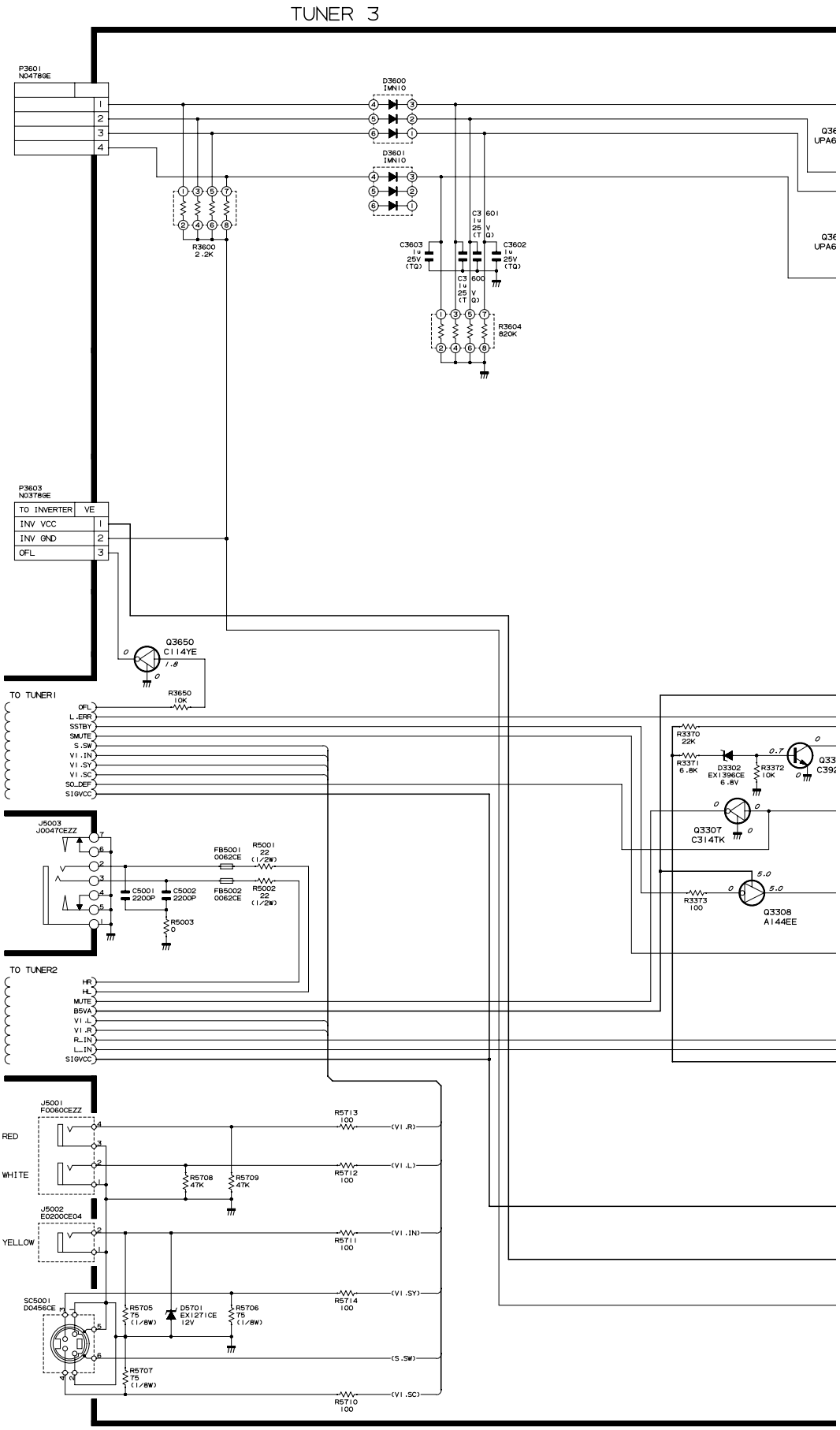
TUNER 2

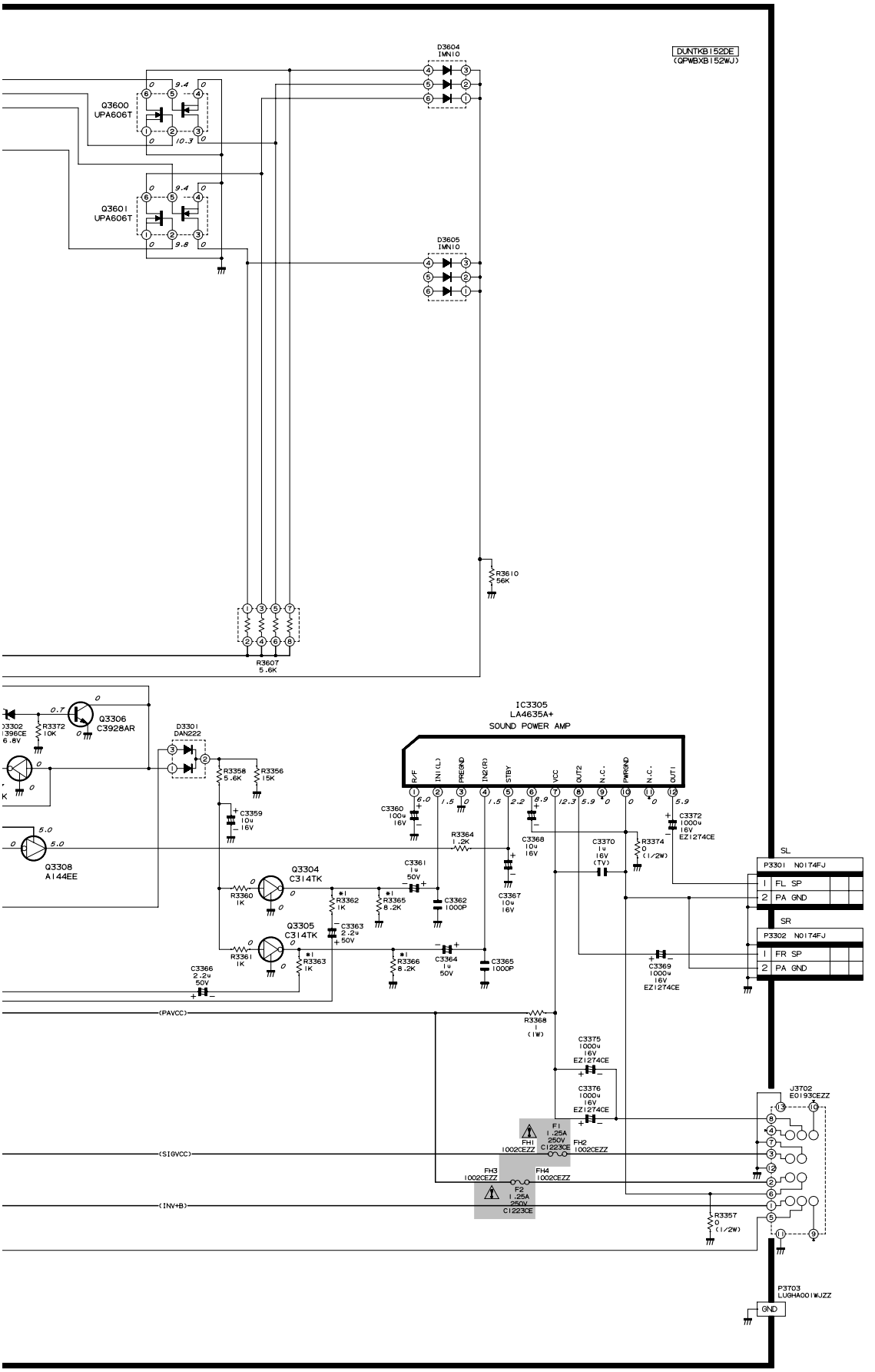




10	11	12	13	14	15	16	17	18	19

■ TUNER Unit-3/4 (LC-13E1E)

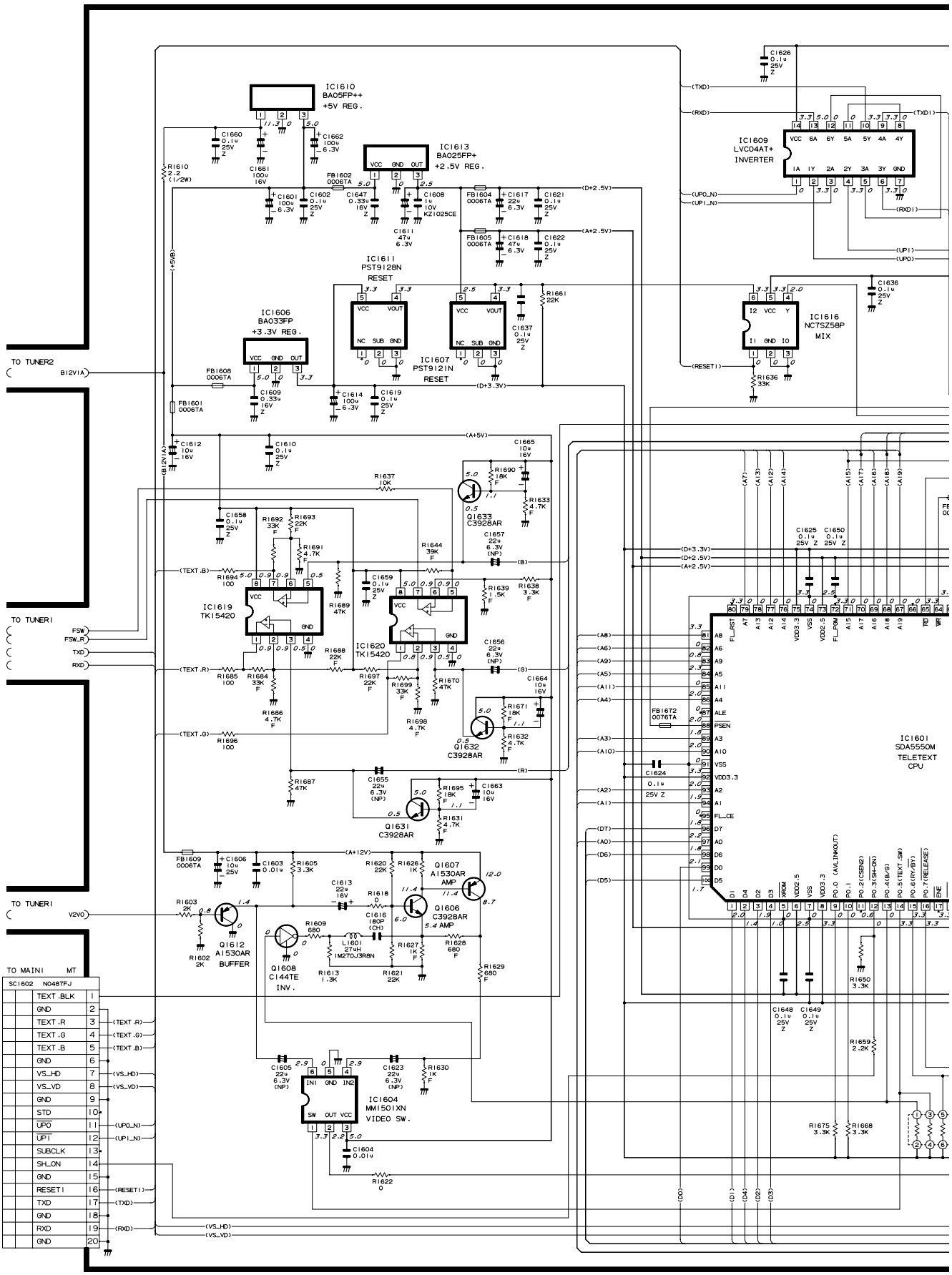


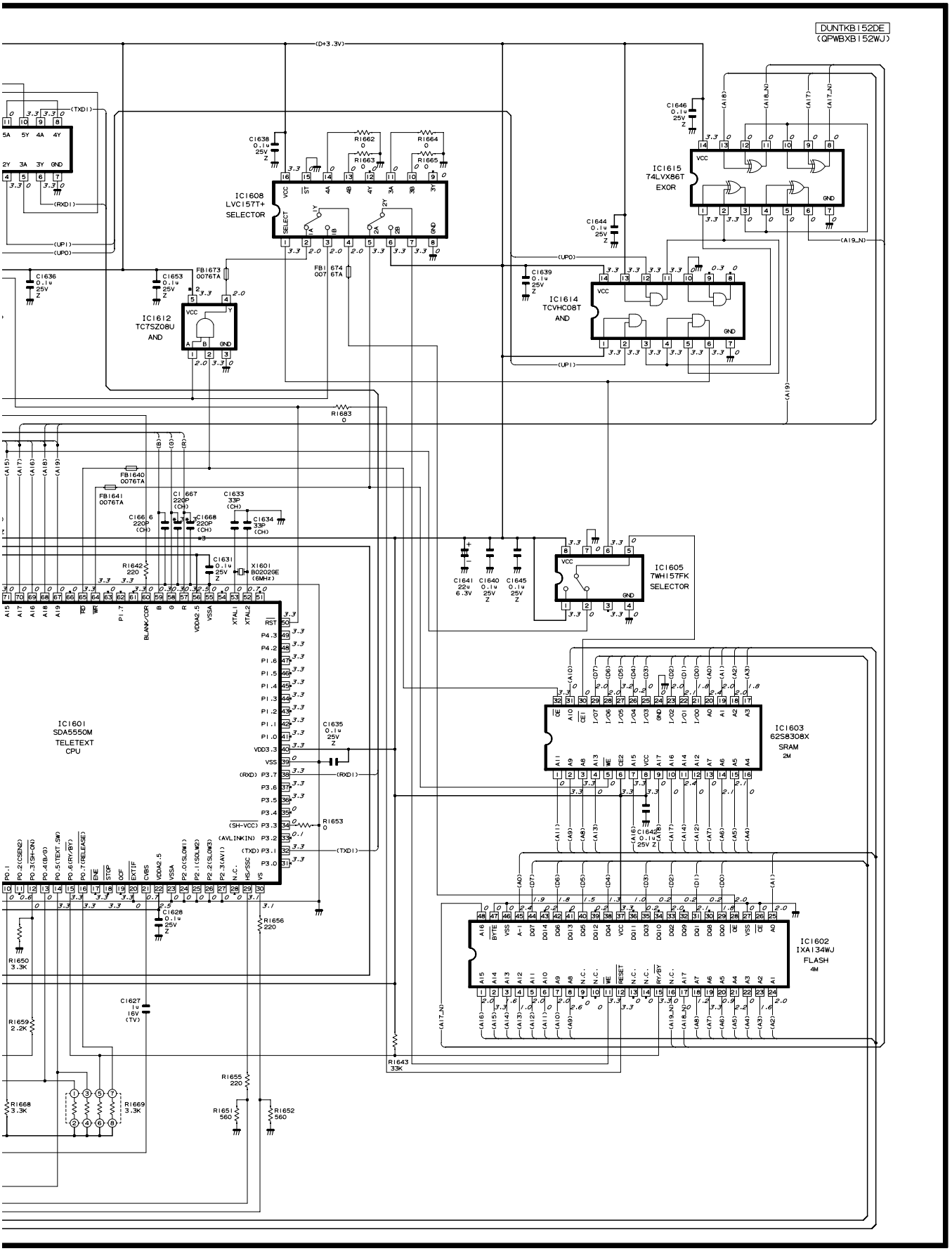


10	11	12	13	14	15	16	17	18	19

■ TUNER Unit-4/4 (LC-13E1E)

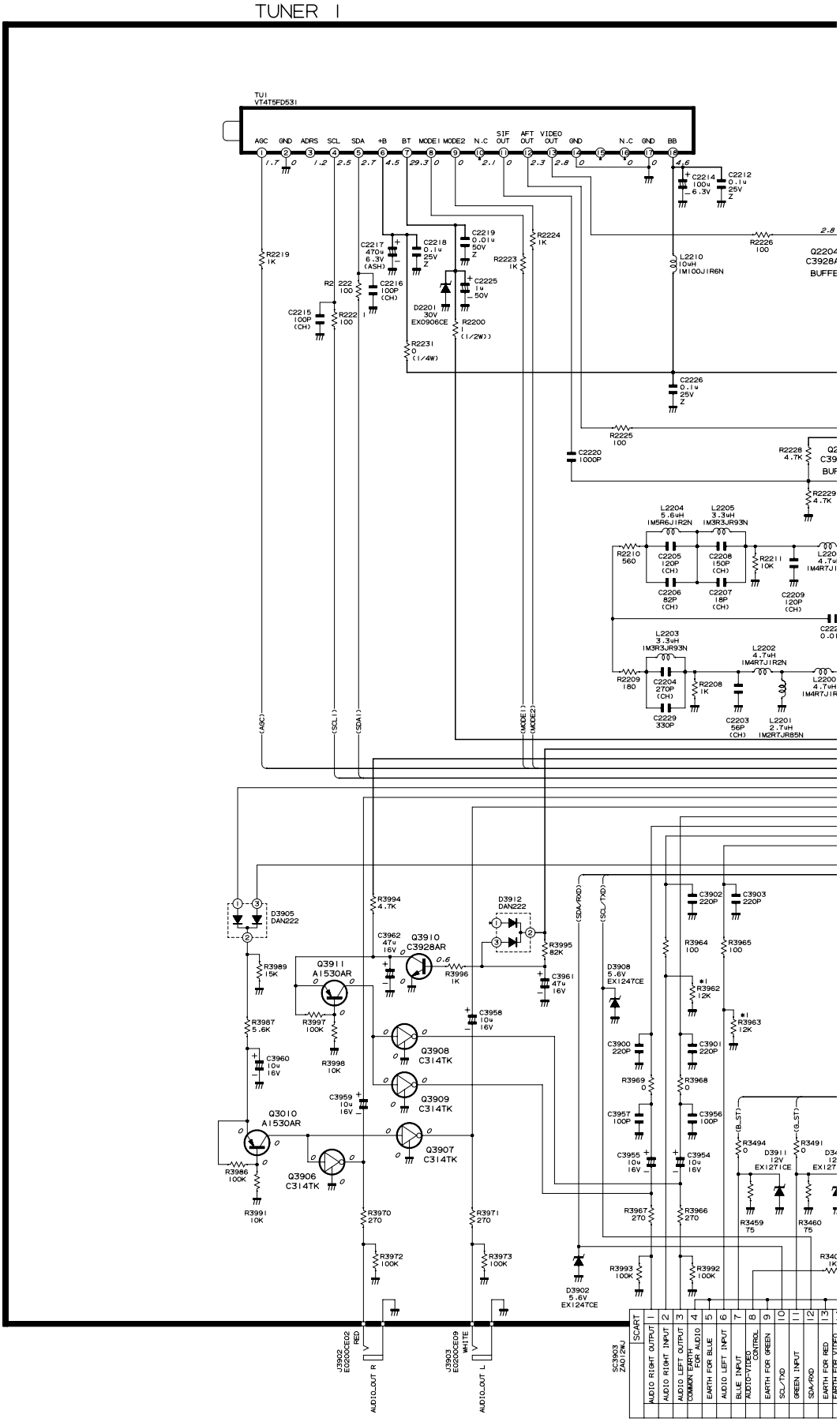
TUNER 4

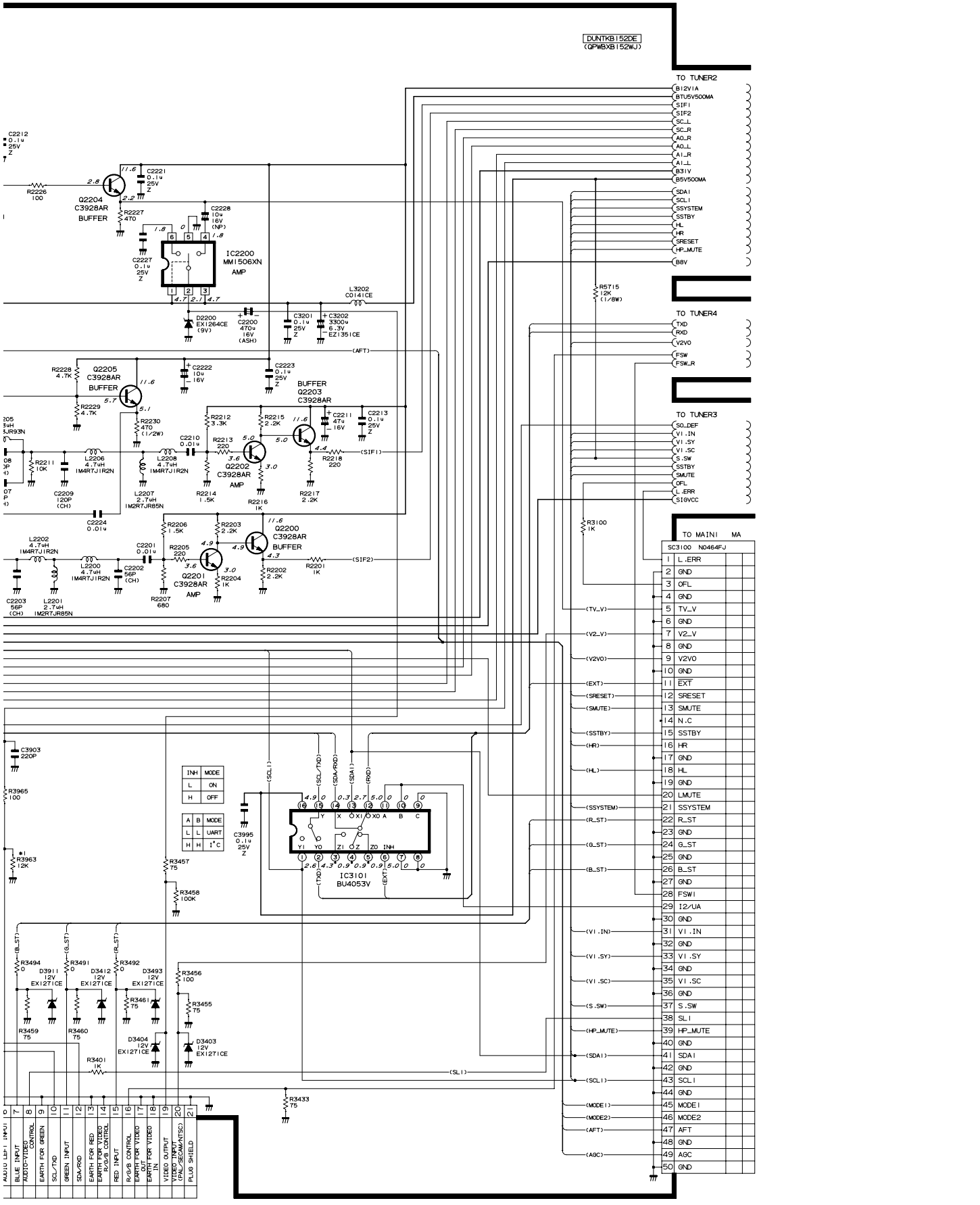



DUNTKB152DE
(QPWBXB152WJ)
IC1601
SDA5550M
TELETEXT
CPU
IC1602
IXA134WJ
FLASH
4M
IC1603
62S8308X
SRAM
2M
IC1605
7WH157FK
SELECTOR
IC1608
LVC157T+
SELECTOR
IC1612
TC7SZ08U
AND
IC1614
TCVHC08T
AND
IC1615
74LVX86T
EXOR
X1601
B02026E
(6MHz)

■ TUNER Unit-1/4 (LC-15E1E)

TUNER I

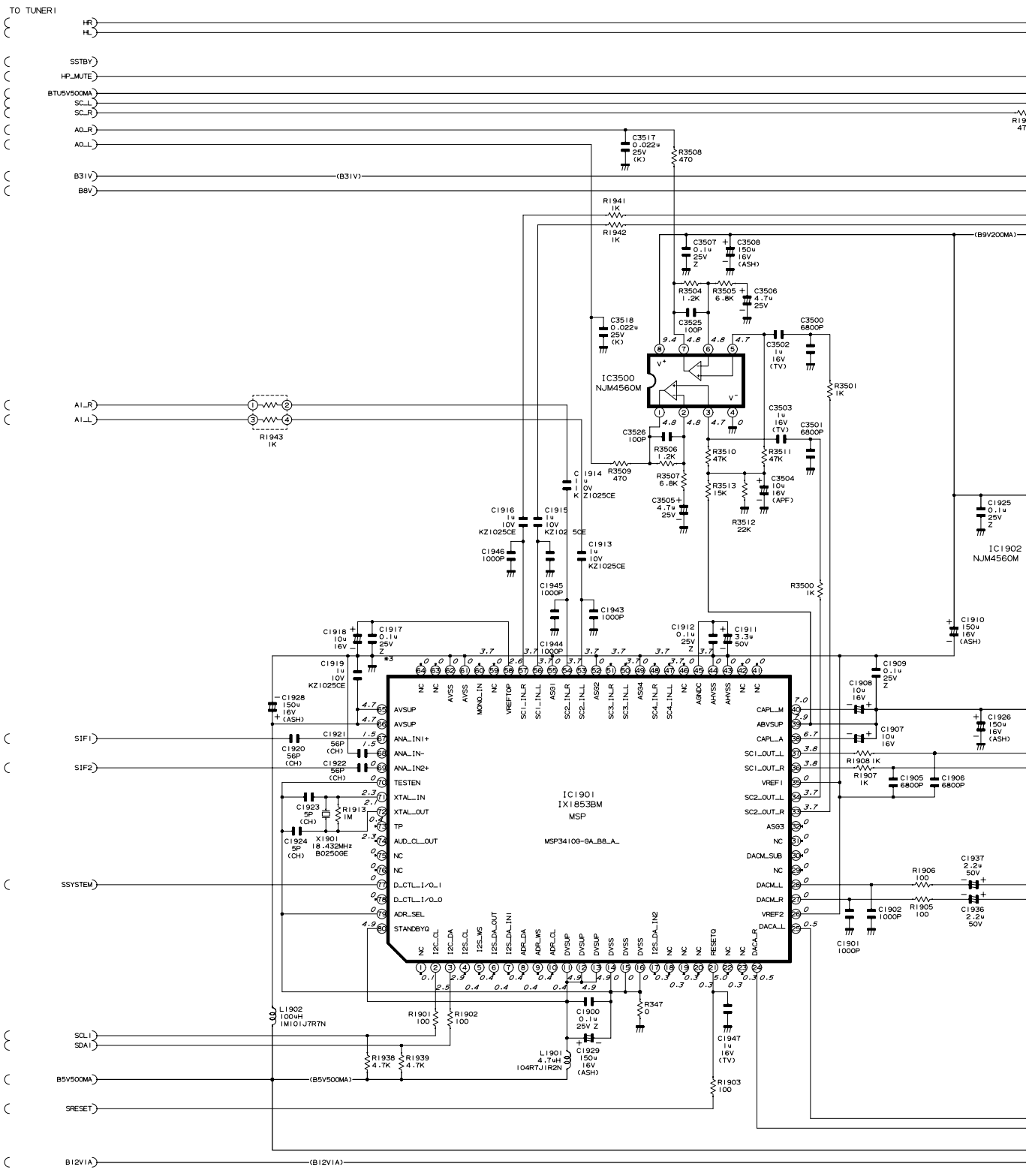


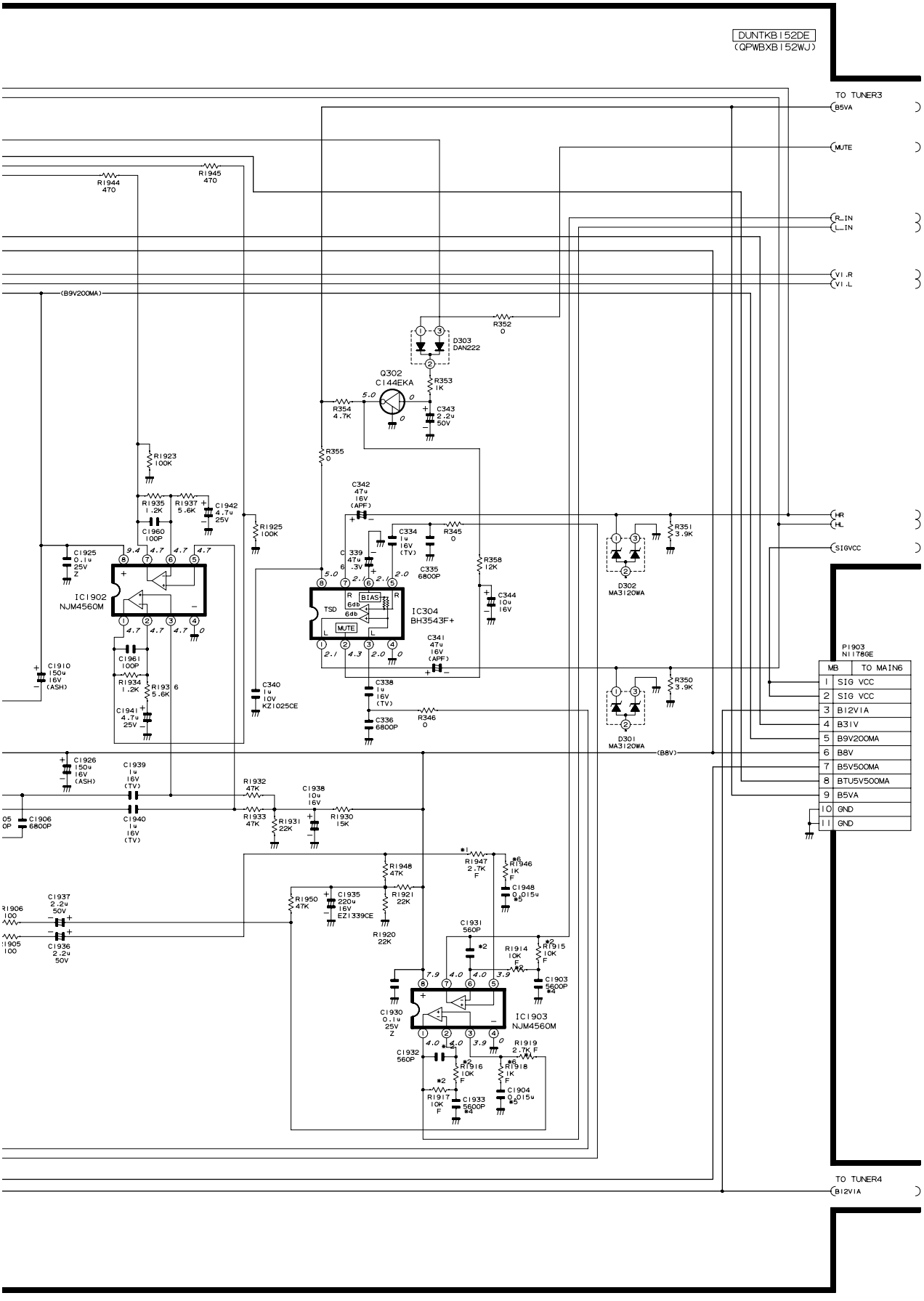


10	11	12	13	14	15	16	17	18	19

■ TUNER Unit-2/4 (LC-15E1E)

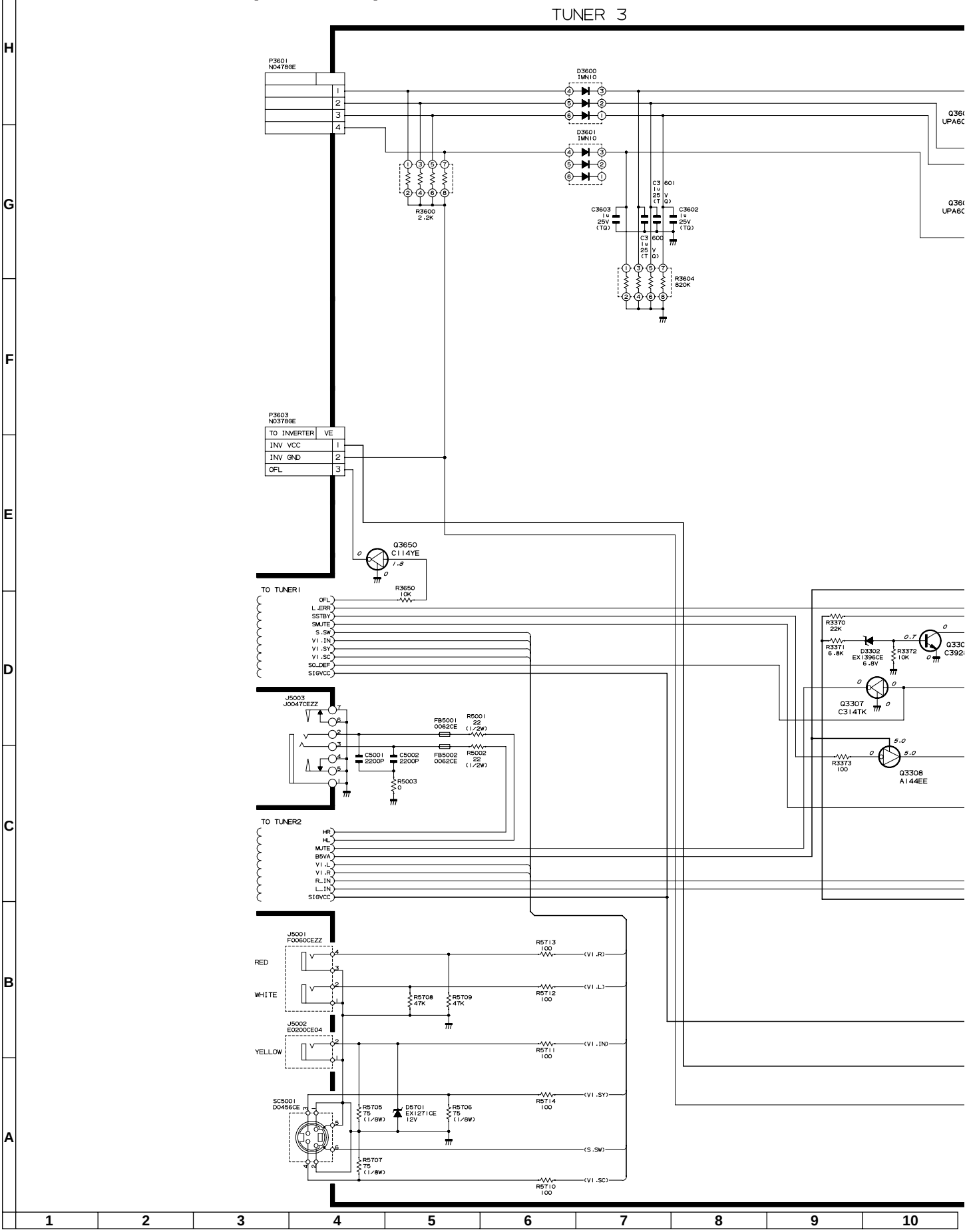
TUNER 2

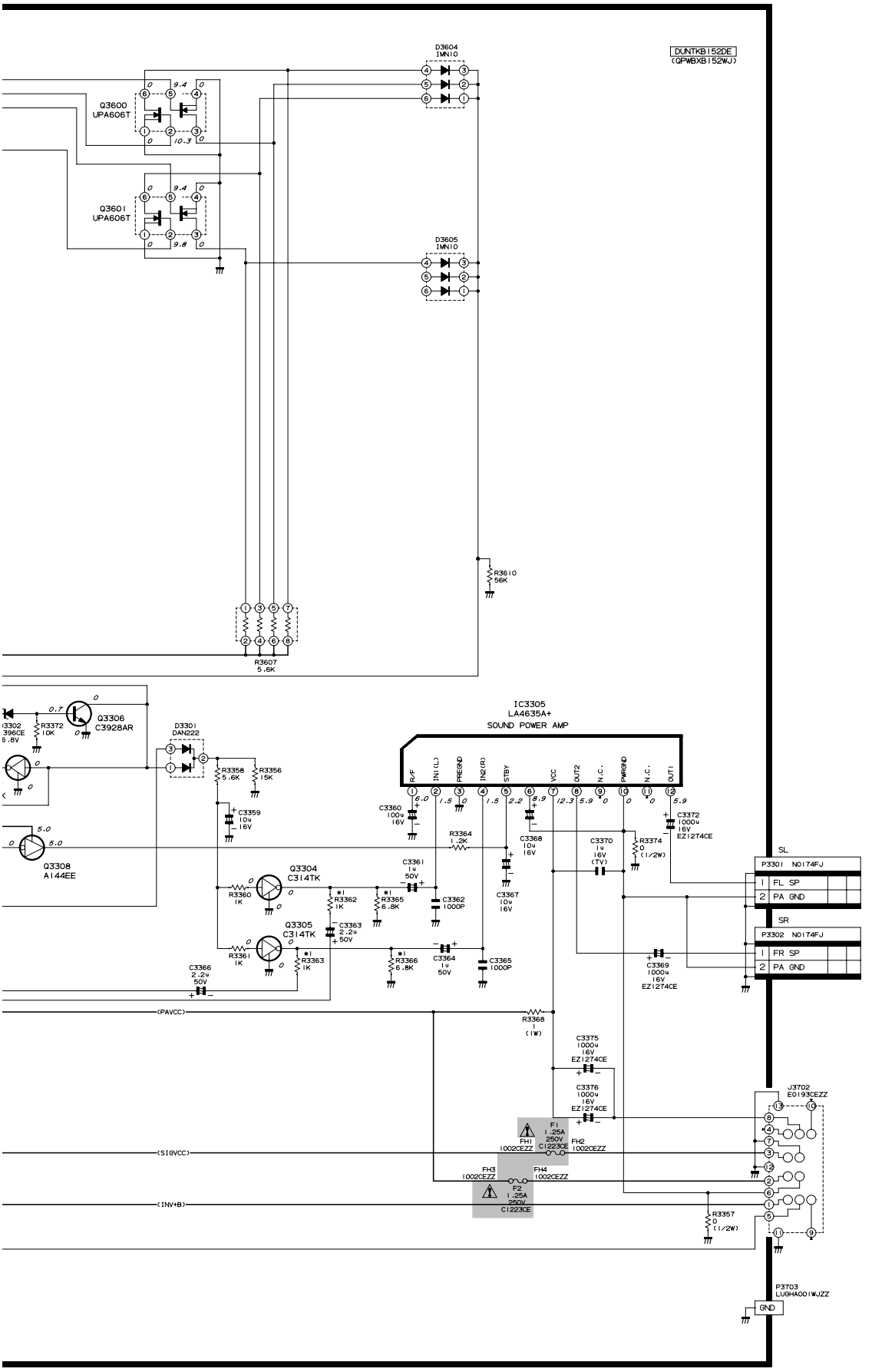




10	11	12	13	14	15	16	17	18	19

■ TUNER Unit-3/4 (LC-15E1E)

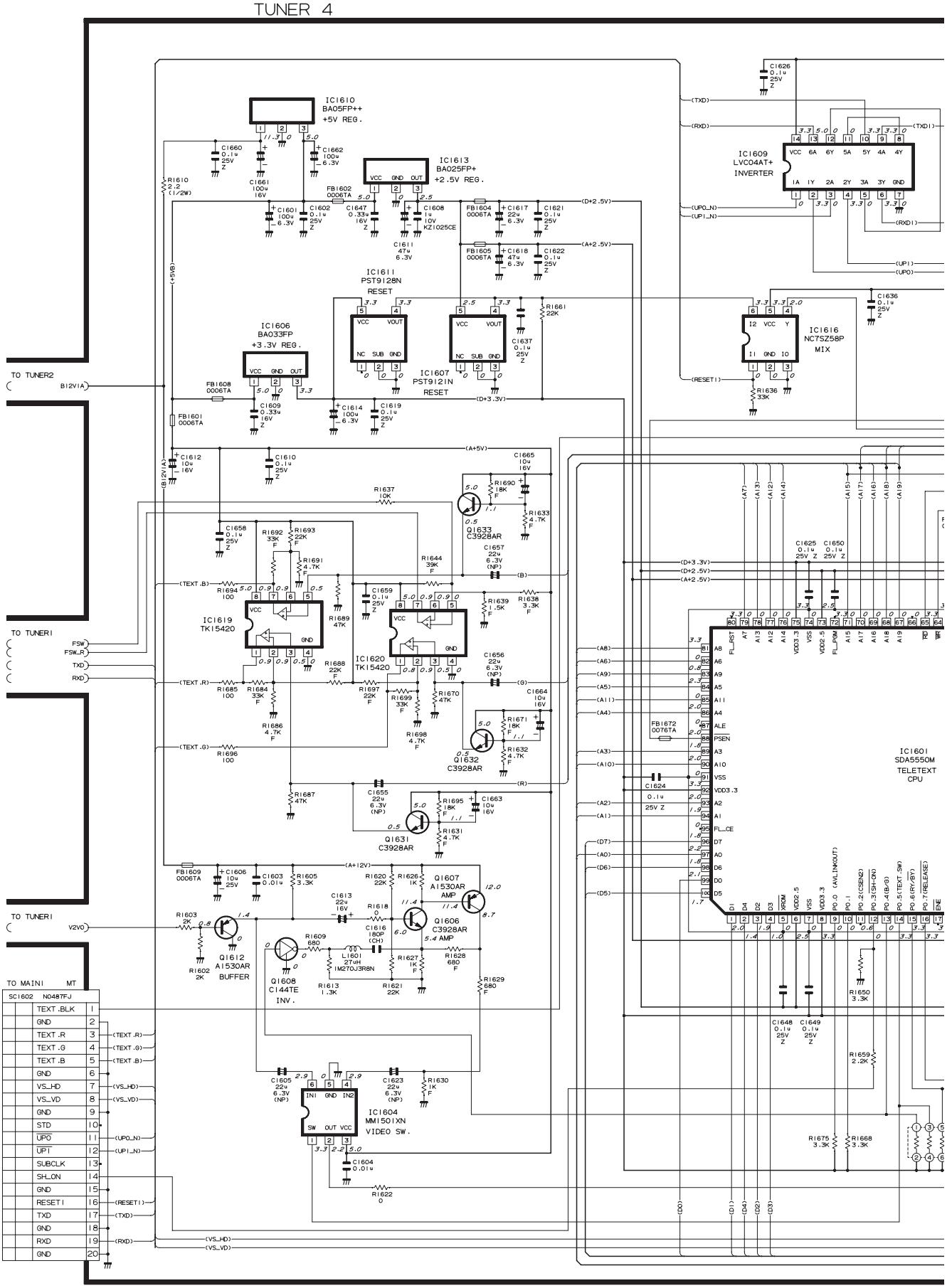


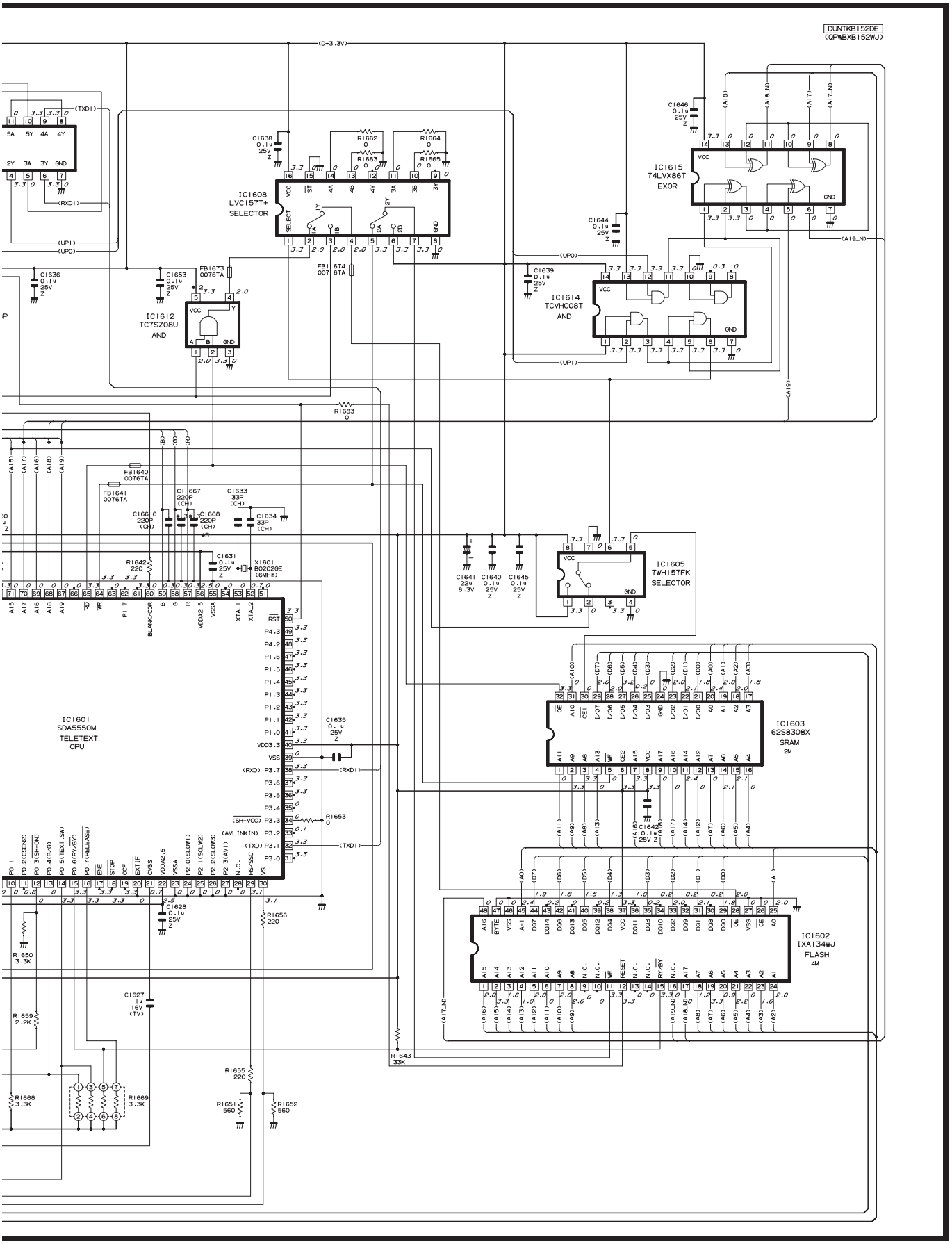


10	11	12	13	14	15	16	17	18	19

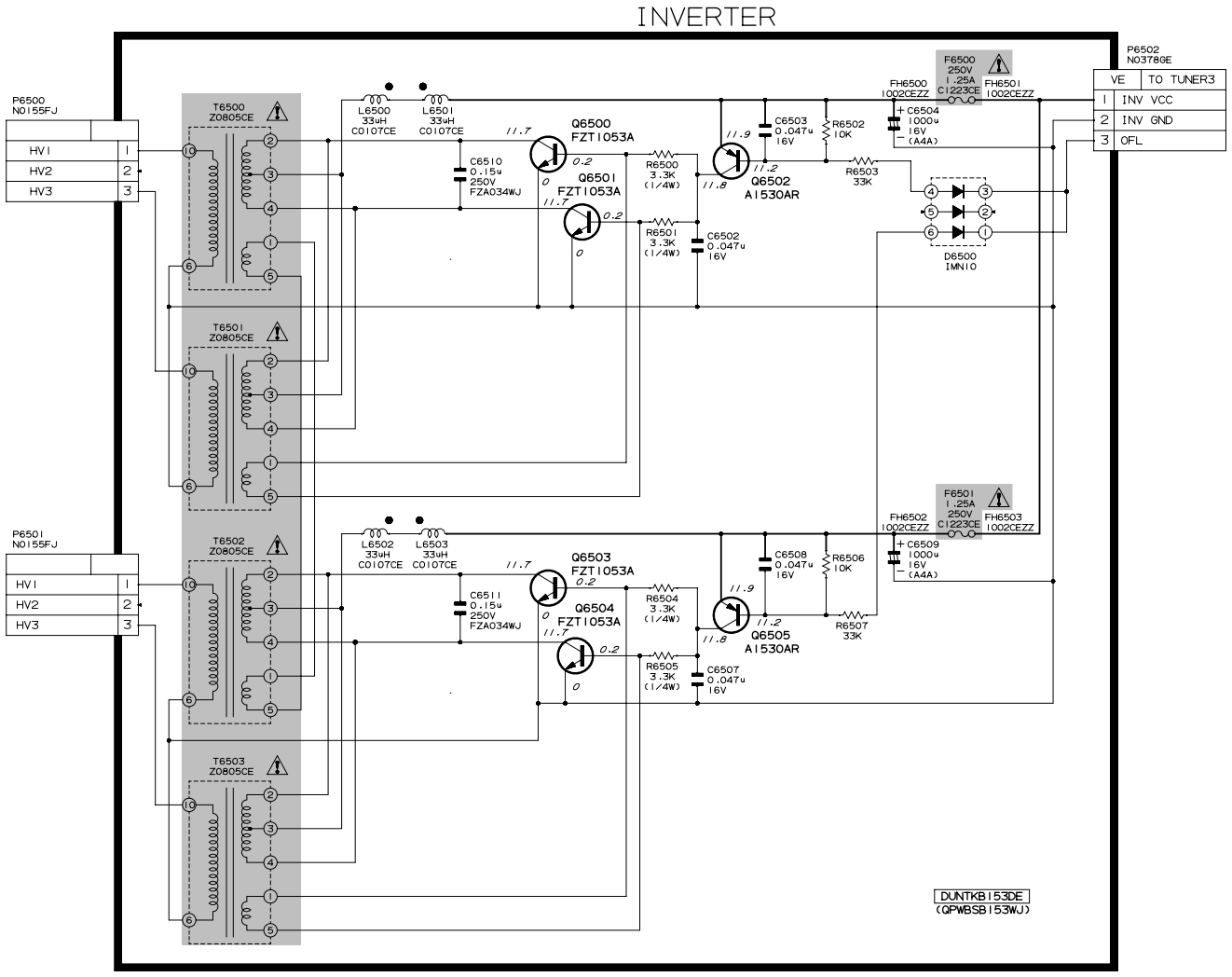
■ TUNER Unit-4/4 (LC-15E1E)

TUNER 4

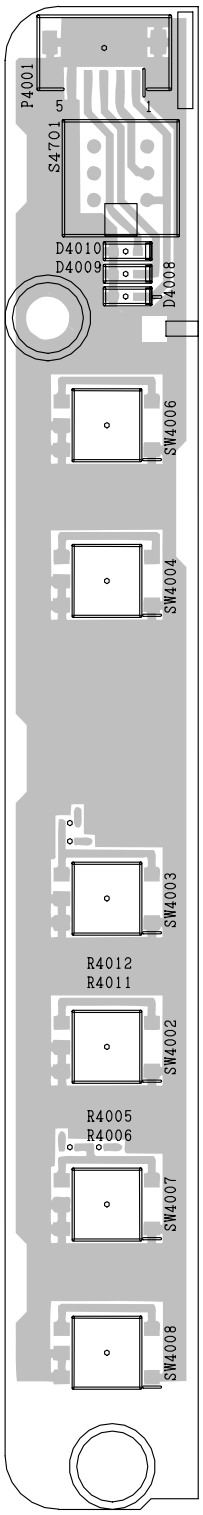


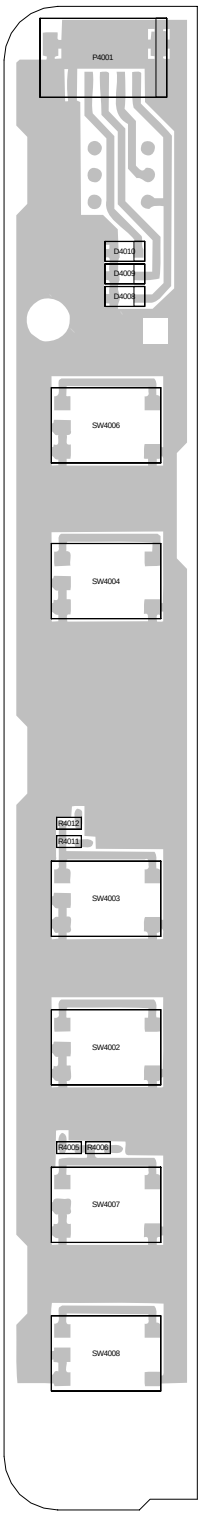

DUNTKB152DE
(QPWBXB152WJ)
IC1601
SDA5550M
TELETEXT
CPU
IC1602
IXA134WJ
FLASH
4M
IC1603
62S8308X
SRAM
2M
IC1605
TWH157FK
SELECTOR
IC1608
LVC157T+
SELECTOR
IC1612
TC7SZ08U
AND
IC1614
TCVHC08T
AND
IC1615
74LVX86T
EXOR
XI1601
B02029E
(6MHz)

■ INVERTER Unit



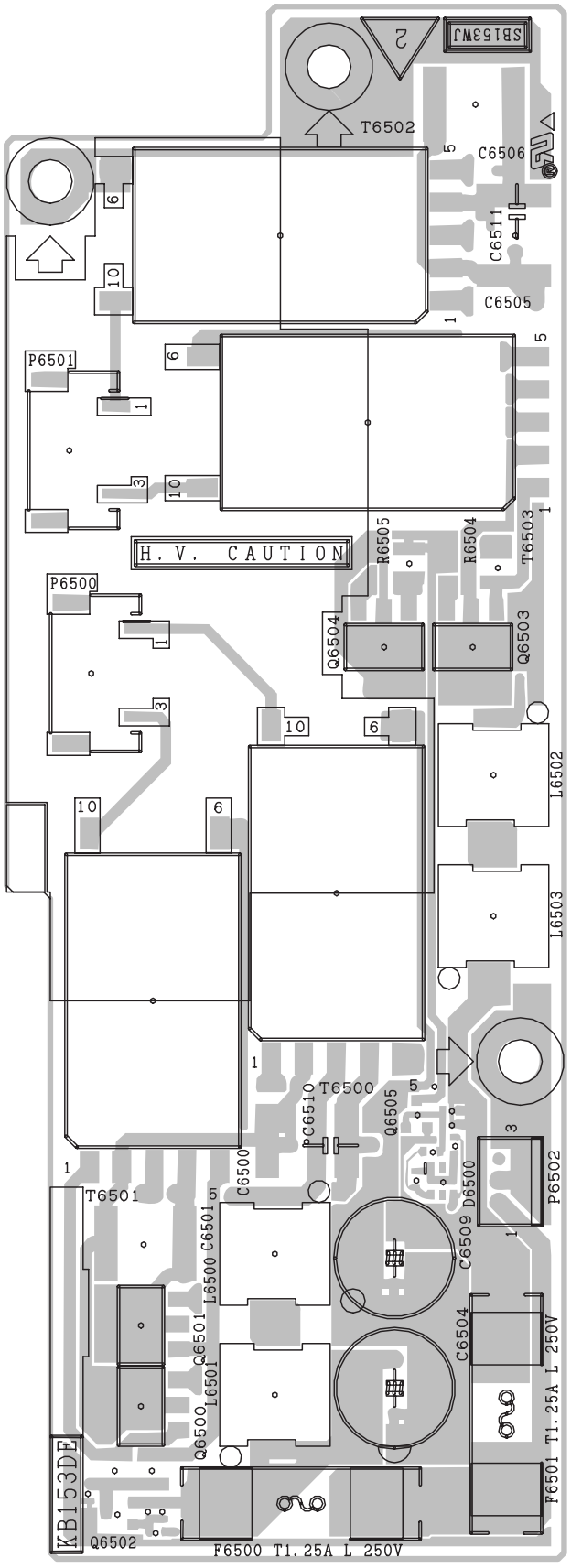
PRINTED WIRING BOARD ASSEMBLIES



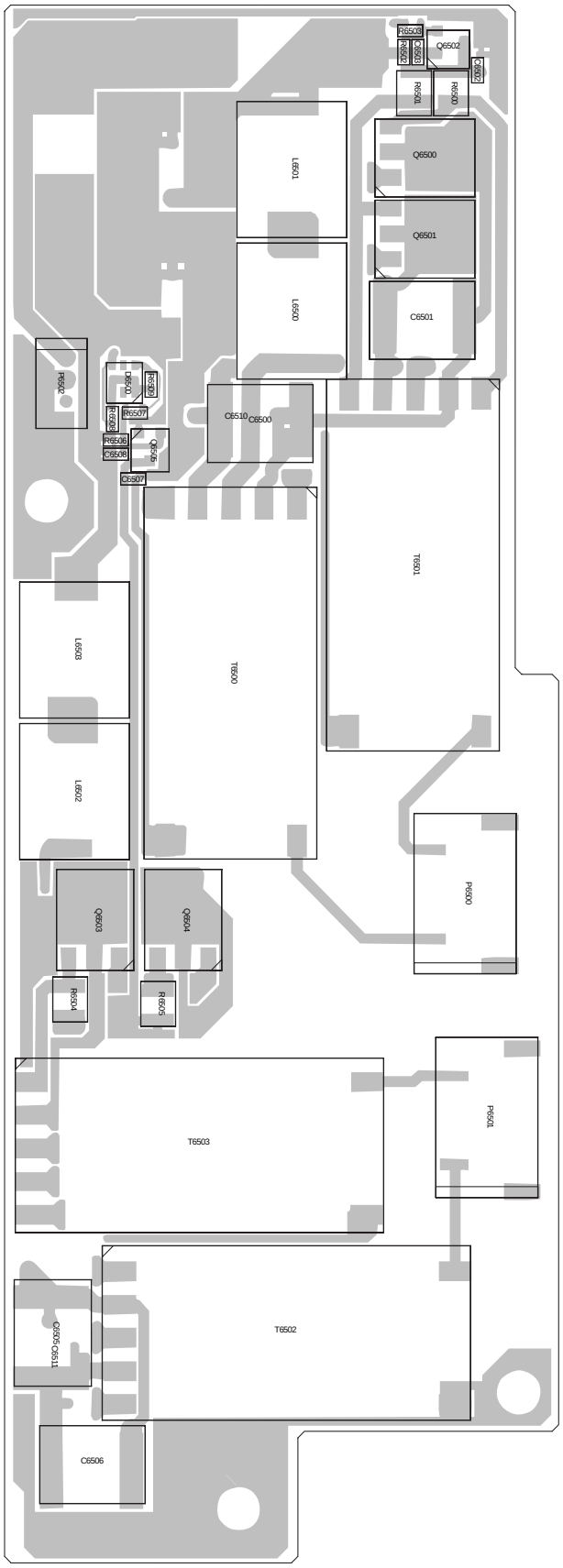


(Component Side) **(Chip Parts Side)**

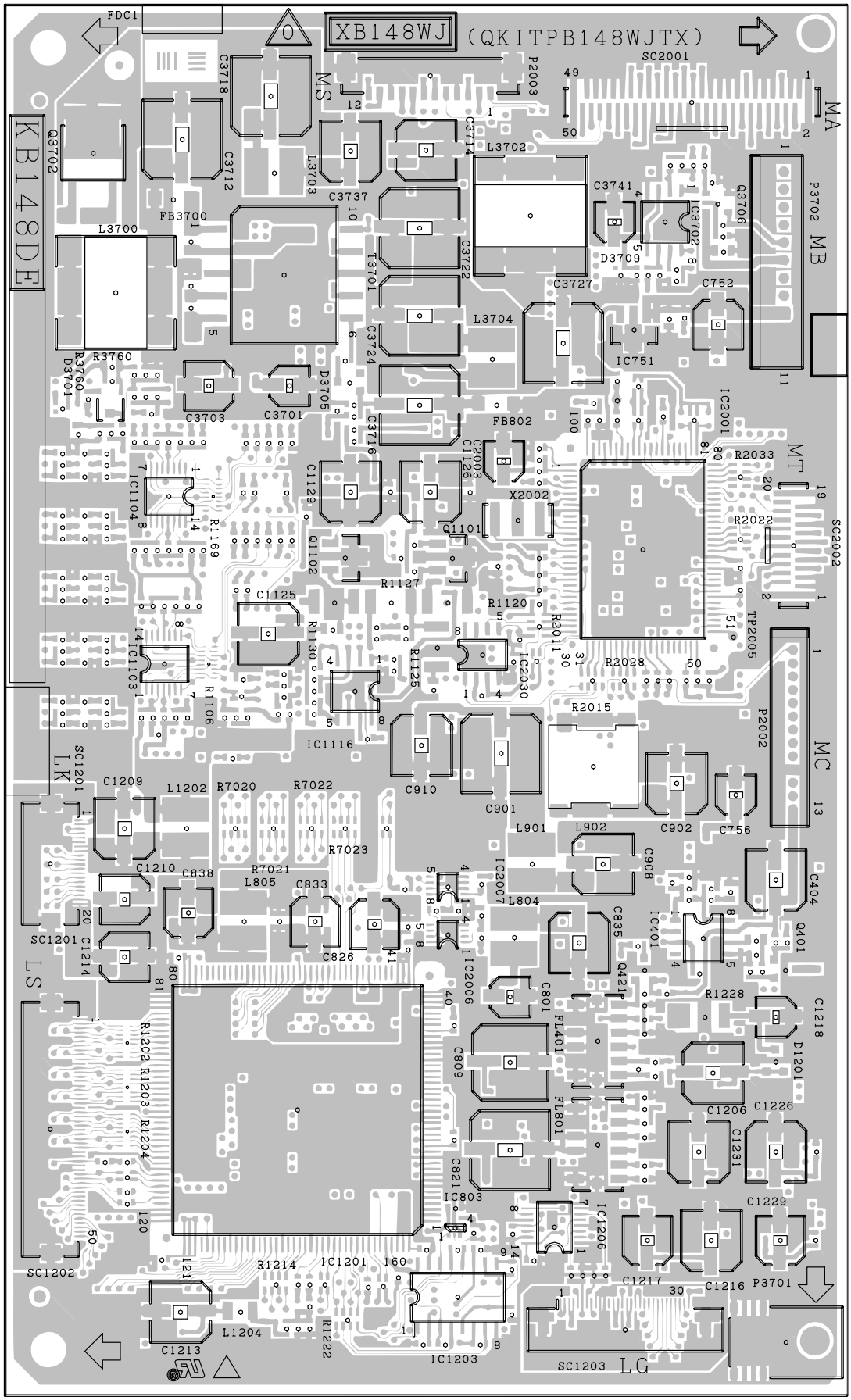
OPERATION Unit
(QPWBSB156WJN3)



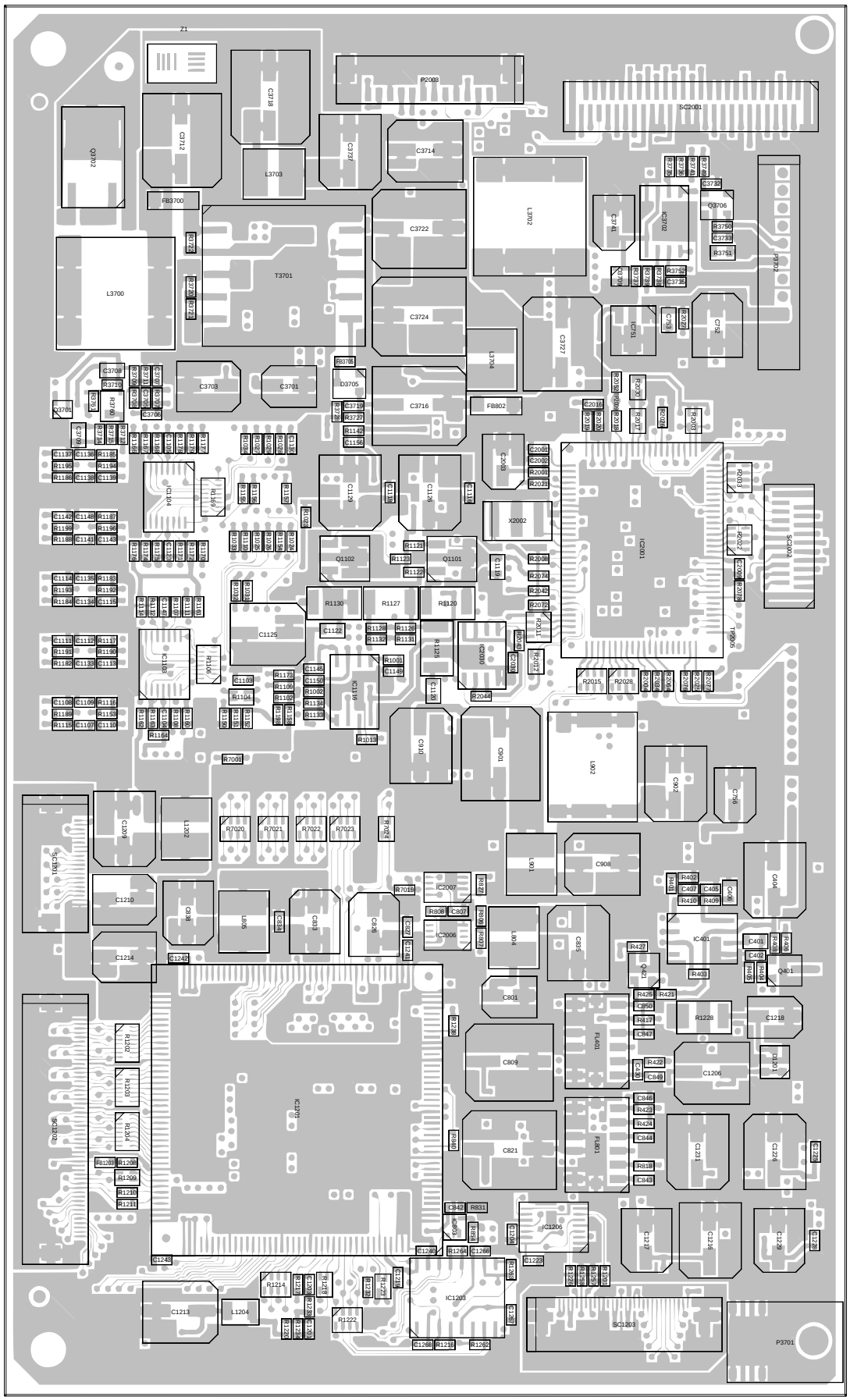
INVERTER Unit (Component Side)



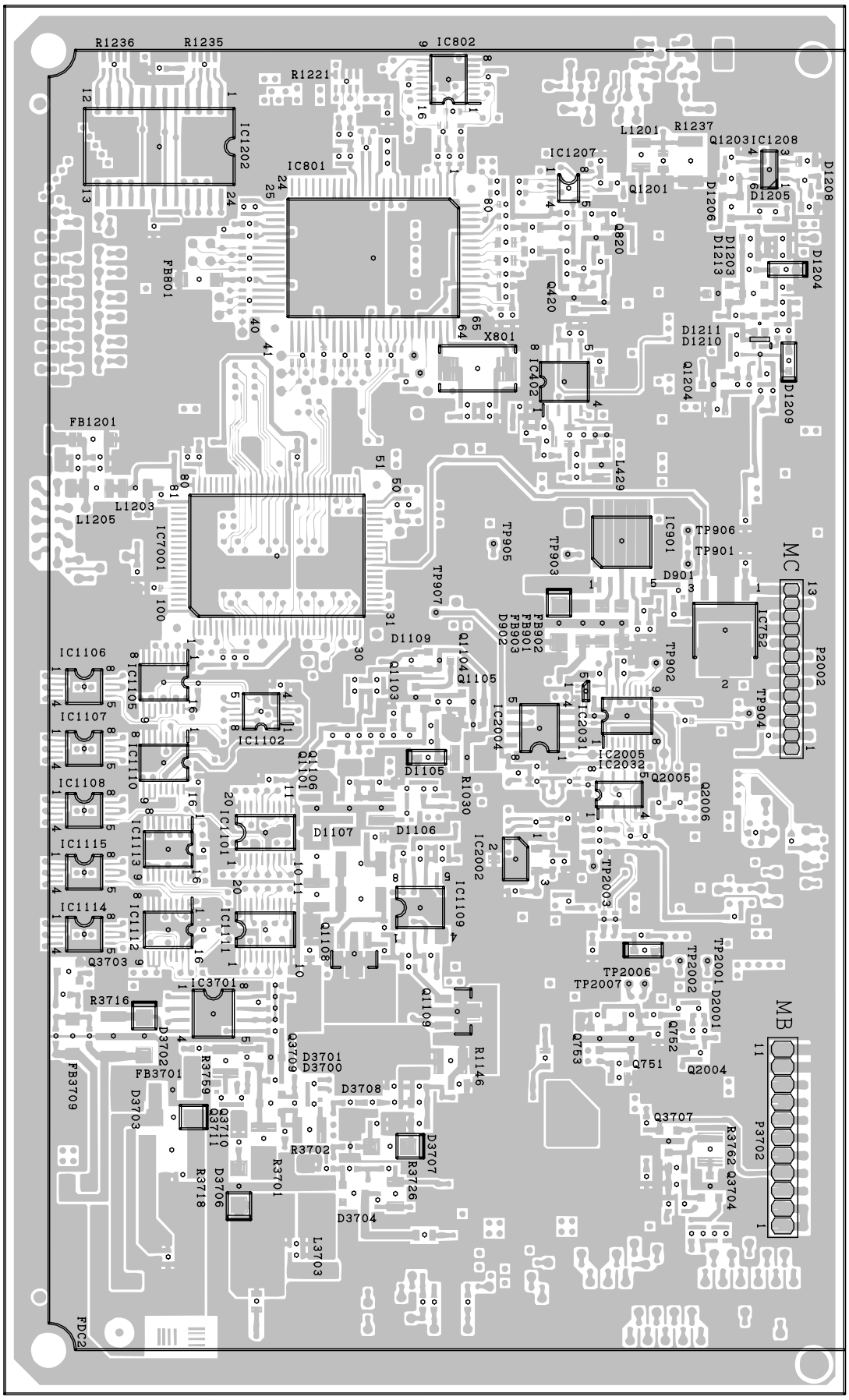
INVERTER Unit (Chip Parts Side)



MAIN Unit (Side-A)

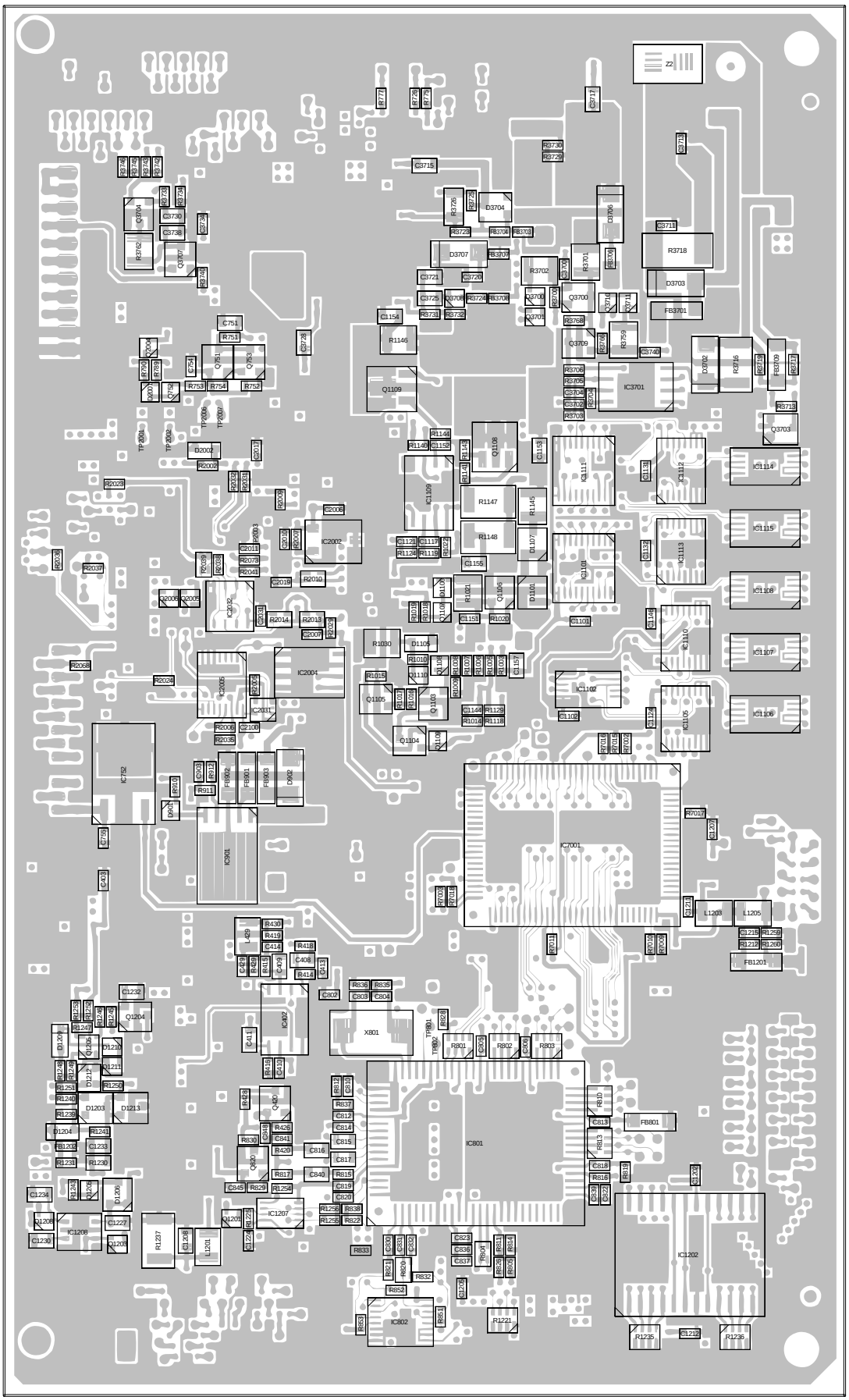


MAIN Unit (Chip Parts Side-A)

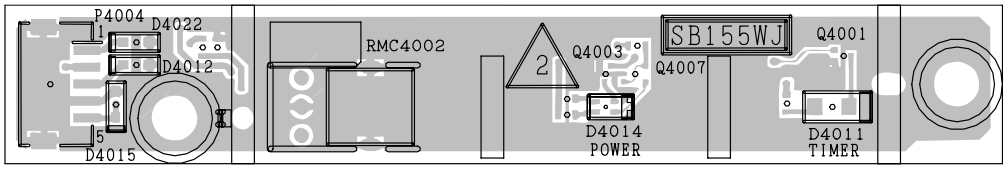


MAIN Unit (Side-B)

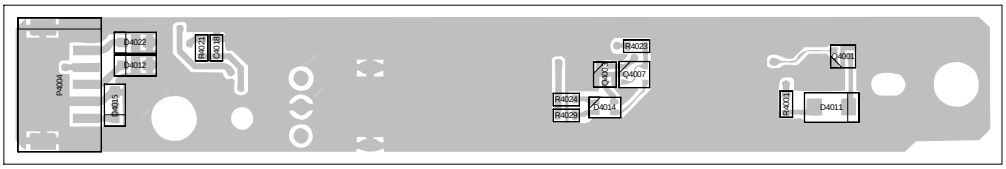
1	2	3	4	5	6



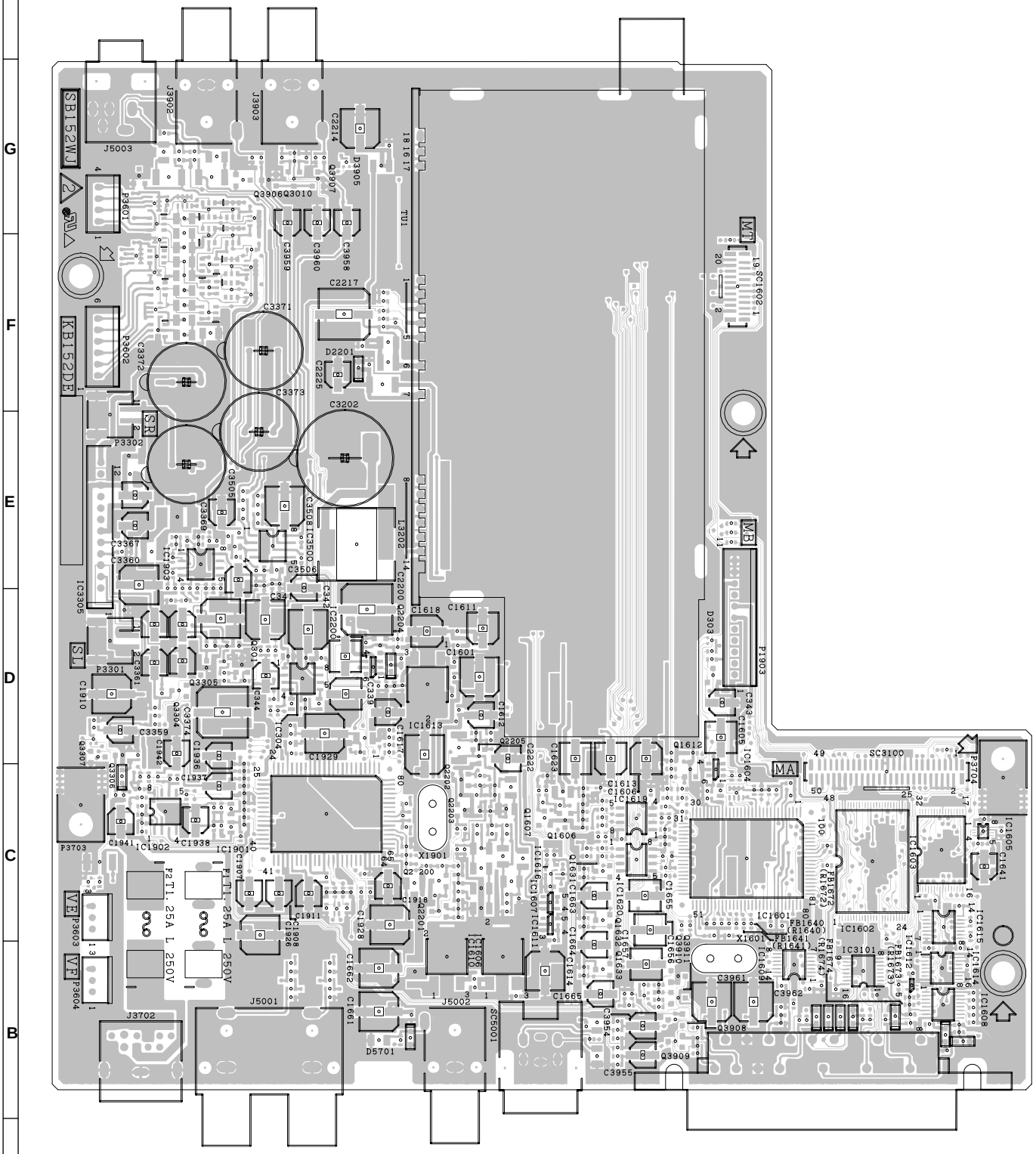
MAIN Unit (Chip Parts Side-B)



R/C, LED Unit (Component Side)



R/C, LED Unit (Chip Parts Side)


SB152WJ
KB152DE
SR
SL
MT
MB
MA
VE
VF
J5003
J3902
J3903
P3601
P3602
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P3301
P3703
P3603
P3604
J3702
J5001
J5002
SC5001
SC1602
SC3100
P1903
P3704
IC1601
IC1602
IC3101
IC1603
IC1604
IC1605
IC1606
IC1608
IC1612
IC1614
IC1615
IC1641
X1901
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D3905
D2201
D303
Q3907
Q3906
Q3010
Q3908
Q3909
Q1606
Q1607
Q1612
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C3373
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C3399
C3400
C3401
C3402
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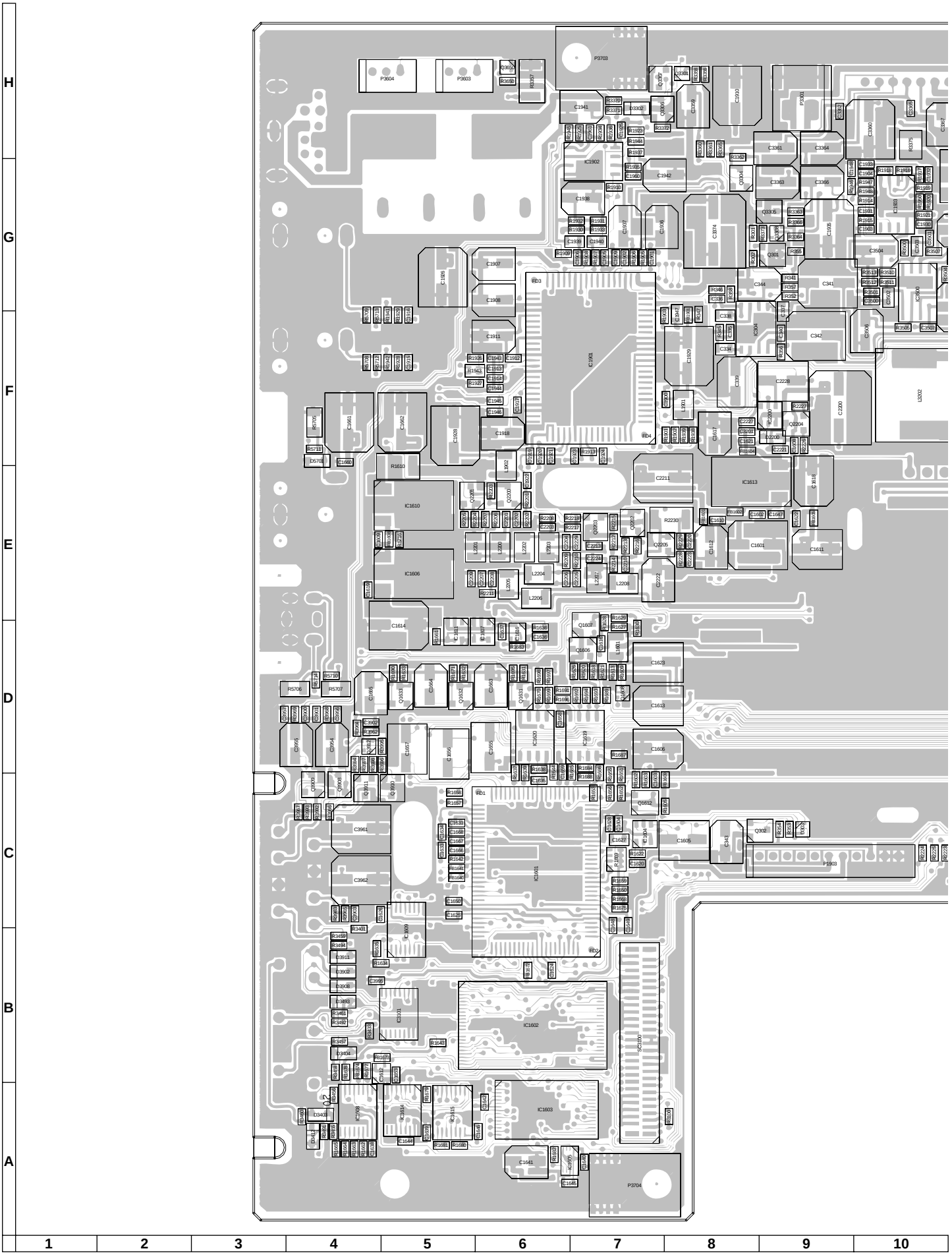
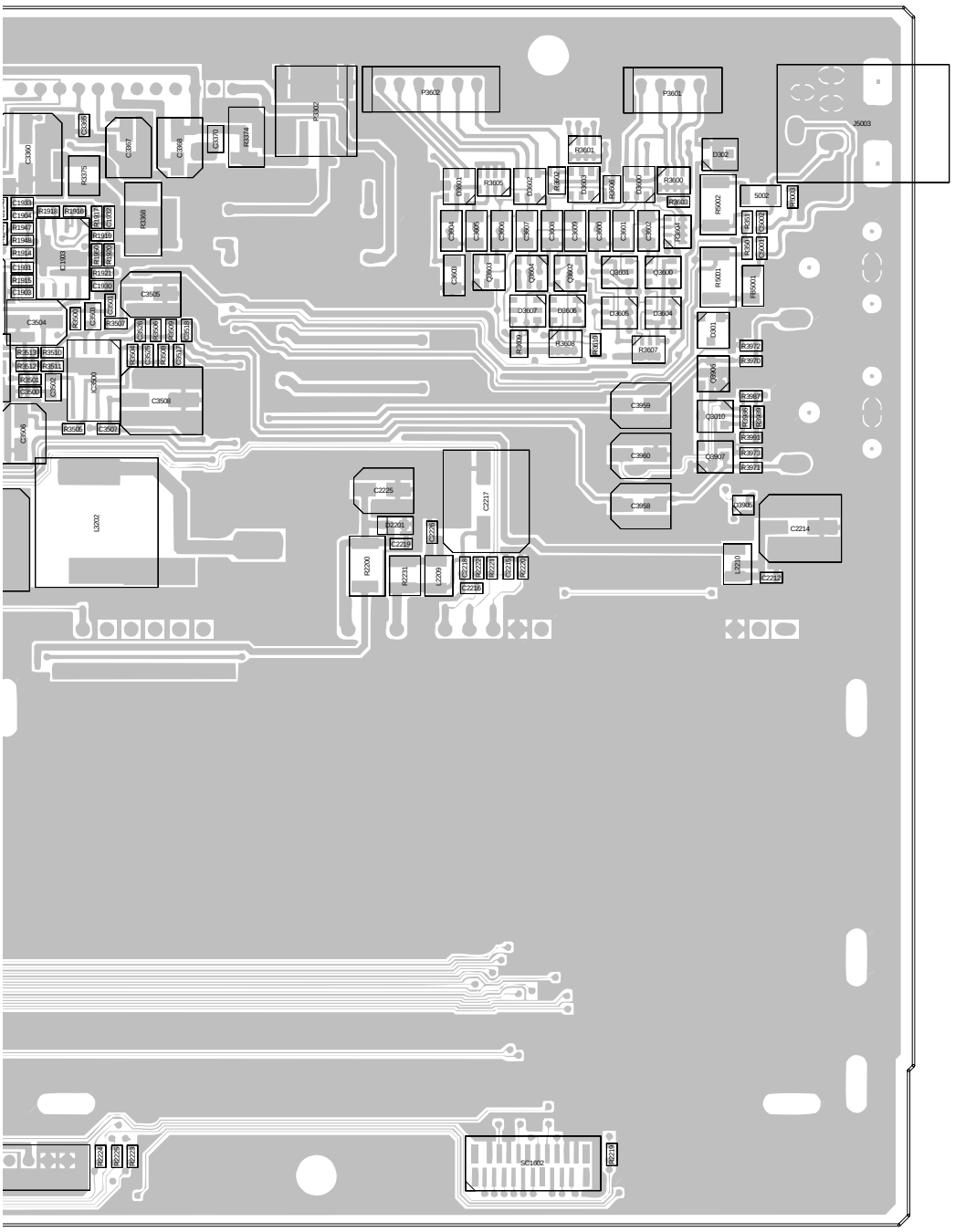
C3410
C3411
C3412
C3413





TUNER Unit (Chip Parts Side)

10	11	12	13	14	15	16	17	18	19

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by ⚠ and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does no have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code

PRINTED WIRING BOARD ASSEMBLIES
(NOT REPLACEMENT ITEM)

LC-13E1E

DUNTKB148FE10	–	MAIN Unit	—
DUNTKB152DE07	–	TUNER Unit	—
DUNTKB153DE07	–	INVERTER UNIT	—
DUNTKB155DE07	–	R/C, LED Unit	—
DUNTKB156DE07	–	OPERATION Unit	—

LC-15E1E

DUNTKB148FE11	–	MAIN Unit	—
DUNTKB152DE08	–	TUNER Unit	—
DUNTKB153DE08	–	INVERTER UNIT	—
DUNTKB155DE08	–	R/C, LED Unit	—
DUNTKB156DE08	–	OPERATION Unit	—

LCD PANEL

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

RLCDTA012WJZZ	J	13" LCD Panel Unit	CV
RLCDTA013WJZZ	J	15" LCD Panel Unit	DB

Ref. No.	Part No.	★	Description	Code

DUNTKB148FE10 (LC-13E1E)
DUNTKB148FE11 (LC-15E1E)
MAIN UNIT

INTEGRATED CIRCUITS

IC401	VHiBA7046F/-1Y	J	BA7046F	AF
IC402	VHiNJM2235M-1Y	J	NJM2235M	AE
IC751	VHiAN77L05M-1Y	J	AN77L05M-E1	AG
IC752	VHiBA033FP/-1Y	J	BA033FP-E2	AG
IC801	VHiVPC3230D1EQ	J	VPC3230D-QA-B3	BD
IC1101	VHiMB8346BV-1Y	J	MB88346BPFV	AN
IC1102	VHiNJM4565V-1Y	J	NJM4565V	AF
IC1103	VHiNJM2060V-1Y	J	NJM2060V	AF
IC1104	VHiNJM2060V-1Y	J	NJM2060V	AF
IC1105	VHiBU4053V/-1Y	J	BU4053BCFV-E2	AE
IC1106	VHiNJM4580V-1Y	J	NJM4580V	AE
IC1107	VHiNJM4580V-1Y	J	NJM4580V	AE
IC1108	VHiNJM4580V-1Y	J	NJM4580V	AE
IC1109	VHiNJM353M/-1Y	J	NJM353M	AG
IC1110	VHiBU4053V/-1Y	J	BU4053BCFV-E2	AE
IC1111	VHiMB8346BV-1Y	J	MB88346BPFV	AN
IC1112	VHiBU4053V/-1Y	J	BU4053BCFV-E2	AE
IC1113	VHiBU4053V/-1Y	J	BU4053BCFV-E2	AE
IC1114	VHiNJM4580V-1Y	J	NJM4580V	AE
IC1115	VHiNJM4580V-1Y	J	NJM4580V	AE
IC1116	VHiNJM2147M-1Y	J	NJM2147M-TE1	AF
IC1201	RH-iX3378CEN1Q	J	LR38815	AY
IC1202	VHiPD485505-2Y	J	UPD485505G-25	AY
IC1203	RH-iX1518CEZZY	J	TC74HC157AF	AG
IC1206	VHiLVX125FT-1Y	J	TC74LVX125FT	AG
IC1207	VHiTC4W66U/-1Y	J	TC4W66FU	AE
IC1208	VHiPQ1R34++-1Y	J	PQ1R34	AE
IC2001	RH-iXA299WJZZQ	J	M306V0ME-174FP	AZ
IC2002	VHiPST529DM-1Y	J	PST529DMT	AE
IC2004	VHiBR2416E2-1Y	J	BR24C16F	AK
IC2030	VHiM95640MN-1Y	J	M95640-WMN6T	AK
IC2031	VHiSNT1G32C-1Y	J	SN74AHCT1G32DC	AD
IC2032	VHiTC4W66F/-1Y	J	TC4W66F	AE
IC3701	VHiNJM2377M-1Y	J	NJM2377M	AK
IC3702	VHiNJM2147M-1Y	J	NJM2147M-TE1	AF

TRANSISTORS

Q401	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q420	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q421	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q751	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q752	VSDTC144EE/-1Y	J	DTC144EE	AA
Q753	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q820	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1101	VS2SA1729//-1Y	J	2SA1729	AF
Q1102	VS2SC4520//-1Y	J	2SC4520	AE
Q1103	VS2SA1036K/-1Y	J	2SA1036K	AC
Q1104	VS2SA1036K/-1Y	J	2SA1036K	AC
Q1105	VS2SA1036K/-1Y	J	2SA1036K	AC
Q1106	VSFMMT718//-1Y	J	FMMT718//	AE
Q1107	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1108	VS2SC4520//-1Y	J	2SC4520	AE
Q1109	VS2SA1729//-1Y	J	2SA1729	AF
Q1201	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1203	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1204	VS2SA1037KQ-1Y	J	2SA1037KQ	AA
Q1205	VSUMX2N++++-1Y	J	UMX2N++++	AB
Q2004	VSDTC144EE/-1Y	J	DTC144EE	AA
Q2005	VSDTA144EE/-1Y	J	DTA144EE	AA
Q2006	VSDTC144EE/-1Y	J	DTC144EE	AA
Q3700	VSFMMT718//-1Y	J	FMMT718//	AE
Q3701	VSDTC144EE/-1Y	J	DTC144EE	AA
Q3702	VS2SK2503//-1Y	J	2SK2503	AE
Q3703	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3704	VSFMMT619//-1Y	J	FMMT619//	AE
Q3706	VSFMY3/////-1Y	J	FMY3/////	AB
Q3707	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3709	VSFMMT718//-1Y	J	FMMT718//	AE
Q3710	VSDTC144EE/-1Y	J	DTC144EE	AA

DUNTKB148FE10 (LC-13E1E)
DUNTKB148FE11 (LC-15E1E)
MAIN UNIT (Continued)

DIODES

Ref. No.	Part No.	★	Description	Code
D1101	VHD1SS250//1EY	J	Diode	AB
D1106	VHDDAN222//-1Y	J	Diode	AA
D1107	VHD1SS250//1EY	J	Diode	AB
D1108	VHDDAN222//-1Y	J	Diode	AA
D1109	VHDDAN222//-1Y	J	Diode	AA
D1110	VHDDAN222//-1Y	J	Diode	AA
D1201	VHD1SS250//1EY	J	Diode	AB
D1203	VHDRB491D++-1Y	J	Diode	AD
D1205	VHDDAN222//-1Y	J	Diode	AA
D1206	RH-EX0227CEZZY	J	Zener Diode	AB
D1208	VHDDAN222//-1Y	J	Diode	AA
D1209	RH-EX1247CEZZY	J	Zener Diode	AB
D1210	VHDDAN222//-1Y	J	Diode	AA
D1211	VHDDAN222//-1Y	J	Diode	AA
D1212	VHDRB481K++-1Y	J	Diode	AD
D2001	VHDDAN222//-1Y	J	Diode	AA
D2002	RH-EX0849CEZZY	J	Zener Diode	AC
D3700	VHDDAN222//-1Y	J	Diode	AA
D3701	VHDDAN222//-1Y	J	Diode	AA
D3703	VHDSFPB56//2EY	J	Diode	AC
D3704	VHD1SS250//1EY	J	Diode	AB
D3705	VHD1SS250//1EY	J	Diode	AB
D3706	VHDSFPB74//2EY	J	Diode	AD
D3707	VHDSFPB74//2EY	J	Diode	AD
D3708	VHDDAN222//-1Y	J	Diode	AA
D3709	VHDDAN222//-1Y	J	Diode	AA
D3711	VHDDAN222//-1Y	J	Diode	AA

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X801	RCRSC0012CEZZY	J	Crystal	AH
X2002	RFiLZ0169TAZZY	J	Filter	AD

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL401	RFiLCA002WJZZY	J	Filter	AG
FL801	RFiLCA002WJZZY	J	Filter	AG
L804	RCiLC0055CEZZY	J	Coil	AD
L805	RCiLC0055CEZZY	J	Coil	AD
L1201	VP-1M470J5R4NY	J	Peaking 47µH	AC
L1202	RCiLC0055CEZZY	J	Coil	AD
L1203	VP-1M220J2R9NY	J	Peaking 22µH	AB
L1204	VP-1M220J2R9NY	J	Peaking 22µH	AB
L1205	VP-1M220J2R9NY	J	Peaking 22µH	AB
L3700	RCiLC0130CEZZY	J	Coil	AG
L3702	RCiLC0130CEZZY	J	Coil	AG

TRANSFORMER

Ref. No.	Part No.	★	Description	Code
⚠ T3701	RTRNW0010CEZZY	J	Transformer	AL

CAPACITORS

Ref. No.	Part No.	★				Code
C401	VCKYTV1AB105KY	J	1	10V	Ceramic	AC
C402	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C403	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C404	VCEAPF1AW476MY	J	47	10V	Electrolytic	AB
C405	VCKYCY1HB222KY	J	2200p	50V	Ceramic	AA
C406	VCKYTV1AB105KY	J	1	10V	Ceramic	AC
C407	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C408	VCKYTV1AB105KY	J	1	10V	Ceramic	AC
C409	VCKYTV1AB105KY	J	1	10V	Ceramic	AC
C410	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C414	VCCCCY1HH151JY	J	150p	50V	Ceramic	AA
C751	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C752	VCEAPF1CN226MY	J	22	16V	Electrolytic	AD
C753	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C755	VCKYCY1CF334ZY	J	0.33	16V	Ceramic	AB
C756	VCEAPF0JN226MY	J	22	6.3V	Electrolytic	AD
C801	VCEAPF1CN106MY	J	10	16V	Electrolytic	AD
C802	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C803	VCCCCY1HH7R0DY	J	7p	50V	Ceramic	AA
C804	VCCCCY1HH7R0DY	J	7p	50V	Ceramic	AA
C805	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C806	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C809	VCEAPK1CN107MY	J	100	16V	Electrolytic	AD
C810	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C812	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C813	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C814	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C815	VCKYTV1CF684ZY	J	0.68	16V	Ceramic	AB
C816	VCKYTV1CF684ZY	J	0.68	16V	Ceramic	AB
C817	VCKYTV1CF684ZY	J	0.68	16V	Ceramic	AB
C818	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C819	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C820	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C821	VCEASH1CN477MY	J	470	16V	Electrolytic	AD
C822	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C823	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C826	VCEAPF0GW107MY	J	100	4V	Electrolytic	AC
C827	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C830	VCKYCY1CF224ZY	J	0.22	16V	Ceramic	AB
C831	VCKYCY1CF224ZY	J	0.22	16V	Ceramic	AB
C832	VCKYCY1CF224ZY	J	0.22	16V	Ceramic	AB
C833	VCEAPF0GW107MY	J	100	4V	Electrolytic	AC
C834	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C835	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C836	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C837	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C838	VCEAPF0GW107MY	J	100	4V	Electrolytic	AC
C839	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C840	VCKYTV1CF684ZY	J	0.68	16V	Ceramic	AB
C842	VCKYCY1CF104ZY	J	0.1	16V	Ceramic	AA
C843	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C844	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C845	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C846	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C847	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C848	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C850	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C1101	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1102	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1103	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1104	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1105	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1107	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1108	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1109	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1110	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1111	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1112	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1113	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1114	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1115	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1116	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1117	VCCCCY1HH560JY	J	56p	50V	Ceramic	AB
C1118	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1119	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C1120	VCKYTV1EF104ZY	J	0.1	25V	Ceramic	AB
C1122	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C1123	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1124	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1125	VCEAPF1CN107MY	J	100	16V	Electrolytic	AD
C1126	RC-EZ1339CEZZY	J	220	16V	Electrolytic	AD
C1129	RC-EZ1339CEZZY	J	220	16V	Electrolytic	AD
C1130	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1131	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1132	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1133	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1134	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1135	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1136	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1137	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1138	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1139	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1141	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1142	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1143	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1144	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA

DUNTKB148FE10 (LC-13E1E)
DUNTKB148FE11 (LC-15E1E)
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C1145	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1146	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1147	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1148	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1149	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1150	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1151	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1152	VCCCCY1HH181JY	J	180p	50V	Ceramic	AA
C1153	VCKYTV1HB103KY	J	0.01	50V	Ceramic	AA
C1154	VCKYTV1HB103KY	J	0.01	50V	Ceramic	AA
C1155	VCKYTV1CB334KY	J	0.33	16V	Ceramic	AC
C1156	VCCCCY1HH560JY	J	56p	50V	Ceramic	AB
C1157	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C1204	VCCCCY1HH220JY	J	22p	50V	Ceramic	AA
C1205	VCCCCY1HH220JY	J	22p	50V	Ceramic	AA
C1206	VCEAPF1HN106MY	J	10	50V	Electrolytic	AD
C1207	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1208	VCKYTV1HF104ZY	J	0.1	50V	Ceramic	AB
C1209	VCEASH0JN227MY	J	220	6.3V	Electrolytic	AC
C1210	VCEAPF0GW107MY	J	100	4V	Electrolytic	AC
C1211	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1212	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1213	VCEAPF1CW107MY	J	100	16V	Electrolytic	AC
C1214	VCEAPF0GW107MY	J	100	4V	Electrolytic	AC
C1215	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C1217	VCEAPF1HN475MY	J	4.7	50V	Electrolytic	AC
C1218	VCEAPF1CN106MY	J	10	16V	Electrolytic	AD
C1219	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1223	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1224	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1225	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1226	VCEAPF1HN106MY	J	10	50V	Electrolytic	AD
C1227	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C1228	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C1229	VCEAPF1CN226MY	J	22	16V	Electrolytic	AD
C1230	VCKYTV1CB105KY	J	1	16V	Ceramic	AC
C1231	VCEAPF1CN107MY	J	100	16V	Electrolytic	AD
C1232	VCKYTV1HF104ZY	J	0.1	50V	Ceramic	AB
C1240	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1241	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1242	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1243	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1266	VCCCCY1HH221JY	J	220p	50V	Ceramic	AA
C1267	VCCCCY1HH221JY	J	220p	50V	Ceramic	AA
C1268	VCCCCY1HH221JY	J	220p	50V	Ceramic	AA
C2001	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C2002	VCCCCY1HH221JY	J	220p	50V	Ceramic	AA
C2003	VCEAPF1HW105MY	J	1	50V	Electrolytic	AB
C2006	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2007	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2009	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2010	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2011	VCCCCY1HH220JY	J	22p	50V	Ceramic	AA
C2016	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2017	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2030	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2031	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2100	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3700	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3701	VCEAPF1EW475MY	J	4.7	25V	Electrolytic	AB
C3702	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C3703	VCEAPT1CN226MY	J	22	16V	Electrolytic	AC
C3704	VCCCCY1HH471JY	J	470p	50V	Ceramic	AA
C3705	VCKYCY1EB103KY	J	0.01	25V	Ceramic	AA
C3709	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C3711	VCKYCY1HB562KY	J	5600p	50V	Ceramic	AA
C3712	VCAAPF1CJ826MY	J	82	16V	Electrolytic	AG
C3713	VCKYCY1HB562KY	J	5600p	50V	Ceramic	AA
C3714	VCEASH1HN476MY	J	47	50V	Electrolytic	AD
C3715	VCKYTV1HF104ZY	J	0.1	50V	Ceramic	AB
C3716	VCEASH1EN227MY	J	220	25V	Electrolytic	AE
C3717	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C3718	VCEASH1CN337MY	J	330	16V	Electrolytic	AE
C3719	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3720	VCCCCY1HH181JY	J	180p	50V	Ceramic	AA
C3721	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C3722	VCAAPF0JJ157MY	J	150	6.3V	Electrolytic	AG
C3724	VCEASH1CN337MY	J	330	16V	Electrolytic	AE
C3725	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C3727	VCEASH0JN477MY	J	470	6.3V	Electrolytic	AD
C3728	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C3730	VCKYTV1HF104ZY	J	0.1	50V	Ceramic	AB
C3732	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C3733	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C3734	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3735	VCKYCY1HF103ZY	J	0.01	50V	Ceramic	AA
C3740	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3741	VCEAPF1HN225MY	J	2.2	50V	Electrolytic	AD

RESISTORS

R401	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R402	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R403	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R404	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R405	VRS-CY1JF681JY	J	680	1/16W	Metal Oxide	AA
R406	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R408	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R409	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R410	VRS-CY1JF474JY	J	470k	1/16W	Metal Oxide	AA
R414	VRS-CY1JF105JY	J	1M	1/16W	Metal Oxide	AA
R415	VRS-CY1JF105JY	J	1M	1/16W	Metal Oxide	AA
R416	VRS-CY1JF105JY	J	1M	1/16W	Metal Oxide	AA
R417	VRS-CY1JF331JY	J	330	1/16W	Metal Oxide	AA
R418	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R419	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R420	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R421	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R422	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R424	VRS-CY1JF331JY	J	330	1/16W	Metal Oxide	AA
R427	VRS-CY1JF561JY	J	560	1/16W	Metal Oxide	AA
R428	VRS-CY1JF561JY	J	560	1/16W	Metal Oxide	AA
R430	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R726	VRS-CY1JF1R0JY	J	1	1/16W	Metal Oxide	AA
R751	VRS-CY1JF1R0JY	J	1	1/16W	Metal Oxide	AA
R752	VRS-CY1JF154JY	J	150k	1/16W	Metal Oxide	AA
R753	VRS-CY1JF274JY	J	270k	1/16W	Metal Oxide	AA
R775	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R777	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R789	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R790	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R801	VRS-CB1JF221JY	J	220	1/16W	Metal Oxide	AC
R802	VRS-CB1JF220JY	J	22	1/16W	Metal Oxide	AC
R803	VRS-CB1JF220JY	J	22	1/16W	Metal Oxide	AC
R804	VRS-CA1JF101JY	J	100	1/16W	Metal Oxide	AA
R805	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R810	VRS-CB1JF220JY	J	22	1/16W	Metal Oxide	AC
R811	VRS-CY1JF222JY	J	2.2k	1/16W	Metal Oxide	AA
R812	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R813	VRS-CB1JF220JY	J	22	1/16W	Metal Oxide	AC
R814	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R815	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R816	VRS-CY1JF470JY	J	47	1/16W	Metal Oxide	AA
R817	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R818	VRS-CY1JF331JY	J	330	1/16W	Metal Oxide	AA
R819	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R820	VRS-CA1JF101JY	J	100	1/16W	Metal Oxide	AA
R821	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R822	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R826	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R830	VRS-CY1JF561JY	J	560	1/16W	Metal Oxide	AA
R832	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R836	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R838	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R840	VRS-CY1JF221JY	J	220	1/16W	Metal Oxide	AA
R851	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R852	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA

DUNTKB148FE10 (LC-13E1E)
DUNTKB148FE11 (LC-15E1E)
MAIN UNIT (Continued)

Ref. No.	Part No.	★			Description	Code
R853	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R854	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1001	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1002	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1003	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1005	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1006	VRS-CY1JF243FY	J	24k	1/16W	Metal Oxide	AA
R1007	VRS-CY1JF563FY	J	56k	1/16W	Metal Oxide	AA
R1008	VRS-CY1JF822FY	J	8.2k	1/16W	Metal Oxide	AA
R1009	VRS-CY1JF682FY	J	6.8k	1/16W	Metal Oxide	AA
R1013	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1014	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R1016	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R1017	VRS-CY1JF272JY	J	2.7k	1/16W	Metal Oxide	AA
R1019	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R1020	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R1021	VRS-TW2ED102JY	J	1k	1/4W	Metal Oxide	AA
R1022	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1024	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R1025	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R1026	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R1027	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R1028	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R1029	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R1030	VRS-TW2ED150JY	J	15	1/4W	Metal Oxide	AA
R1031	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1032	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1033	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1034	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1102	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1104	VRS-CA1JF333JY	J	33k	1/16W	Metal Oxide	AA
R1106	VRS-CF1JP333JY	J	33k	1/16W	Metal Oxide	AC
R1107	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R1108	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1109	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R1110	VRS-CY1JF104FY	J	100k	1/16W	Metal Oxide	AA
R1111	VRS-CY1JF683FY	J	68k	1/16W	Metal Oxide	AA
R1112	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R1114	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1115	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1116	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1117	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1118	VRS-CY1JF563FY	J	56k	1/16W	Metal Oxide	AA
R1119	VRS-CY1JF472FY	J	4.7k	1/16W	Metal Oxide	AA
R1120	VRS-TX2HF5R6JY	J	5.6	1/2W	Metal Oxide	AB
R1121	VRS-CY1JF181JY	J	180	1/16W	Metal Oxide	AA
R1123	VRS-CY1JF181JY	J	180	1/16W	Metal Oxide	AA
R1124	VRS-CY1JF472FY	J	4.7k	1/16W	Metal Oxide	AA
R1125	VRS-TX2HF101JY	J	100	1/2W	Metal Oxide	AA
R1126	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1127	VRS-TX2HF1R8JY	J	1.8	1/2W	Metal Oxide	AB
R1128	VRS-CY1JF105JY	J	1M	1/16W	Metal Oxide	AA
R1129	VRS-CY1JF363FY	J	36k	1/16W	Metal Oxide	AA
R1130	VRS-TX2HF5R6JY	J	5.6	1/2W	Metal Oxide	AB
R1131	VRS-CY1JF105JY	J	1M	1/16W	Metal Oxide	AA
R1132	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1134	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1140	VRS-CY1JF273FY	J	27k	1/16W	Metal Oxide	AA
R1142	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1143	VRS-CY1JF391JY	J	390	1/16W	Metal Oxide	AA
R1144	VRS-CY1JF391JY	J	390	1/16W	Metal Oxide	AA
R1145	VRS-TW2ED5R6JY	J	5.6	1/4W	Metal Oxide	AA
R1146	VRS-TW2ED8R2JY	J	8.2	1/4W	Metal Oxide	AA
R1147	VRS-TX2HF000JY	J	0	1/2W	Metal Oxide	AB
R1148	VRS-TX2HF100JY	J	10	1/2W	Metal Oxide	AB
R1150	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1151	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1152	VRS-CY1JF391JY	J	390	1/16W	Metal Oxide	AA
R1153	VRS-CY1JF680JY	J	68	1/16W	Metal Oxide	AA
R1154	VRS-CY1JF683FY	J	68k	1/16W	Metal Oxide	AA
R1157	VRS-CY1JF683FY	J	68k	1/16W	Metal Oxide	AA
R1158	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1160	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1161	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1162	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1163	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R1164	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1166	VRS-CY1JF104FY	J	100k	1/16W	Metal Oxide	AA
R1167	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1168	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1169	VRS-CF1JP333JY	J	33k	1/16W	Metal Oxide	AC
R1170	VRS-CY1JF683FY	J	68k	1/16W	Metal Oxide	AA
R1171	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R1172	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1173	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R1174	VRS-CY1JF683FY	J	68k	1/16W	Metal Oxide	AA
R1175	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R1176	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1177	VRS-CY1JF683FY	J	68k	1/16W	Metal Oxide	AA
R1178	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R1179	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1182	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1183	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1184	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1185	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1186	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1187	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1188	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1189	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1190	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1193	VRS-CY1JF680JY	J	68	1/16W	Metal Oxide	AA
R1194	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1195	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1196	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1198	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1199	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1201	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1202	VRS-CF1JP220JY	J	22	1/16W	Metal Oxide	AC
R1203	VRS-CF1JP220JY	J	22	1/16W	Metal Oxide	AC
R1204	VRS-CF1JP220JY	J	22	1/16W	Metal Oxide	AC
R1208	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1209	VRS-CA1JF220JY	J	22	1/16W	Metal Oxide	AA
R1210	VRS-CY1JF220JY	J	22	1/16W	Metal Oxide	AA
R1211	VRS-CY1JF221JY	J	220	1/16W	Metal Oxide	AA
R1212	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1214	VRS-CB1JF101JY	J	100	1/16W	Metal Oxide	AA
R1217	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1218	VRS-CA1JF101JY	J	100	1/16W	Metal Oxide	AA
R1221	VRS-CB1JF332JY	J	3.3k	1/16W	Metal Oxide	AC
R1222	VRS-CB1JF000JY	J	0	1/16W	Metal Oxide	AC
R1223	VRS-CA1JF101JY	J	100	1/16W	Metal Oxide	AA
R1225	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R1226	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1228	VRS-TX2HF330JY	J	33	1/2W	Metal Oxide	AB
R1230	VRS-TV1JD562JY	J	5.6k	1/16W	Metal Oxide	AA
R1231	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1232	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1233	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1237	VRS-TX2HF472JY	J	4.7k	1/2W	Metal Oxide	AB
R1238	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1240	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1243	VRS-CY1JF1R0JY	J	1	1/16W	Metal Oxide	AA
R1245	VRS-CY1JF272JY	J	2.7k	1/16W	Metal Oxide	AA
R1246	VRS-CY1JF272JY	J	2.7k	1/16W	Metal Oxide	AA
R1247	VRS-CY1JF682JY	J	6.8k	1/16W	Metal Oxide	AA
R1248	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R1249	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R1250	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1251	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1252	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1260	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1261	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R2001	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R2002	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2003	VRS-CA1JF223JY	J	22k	1/16W	Metal Oxide	AA
R2004	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA

DUNTKB148FE10 (LC-13E1E)
DUNTKB148FE11 (LC-15E1E)
MAIN UNIT (Continued)

Ref. No.	Part No.	★				Code
R2006	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R2007	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R2008	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2009	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R2010	VRS-CA1JF101JY	J	100	1/16W	Metal Oxide	AA
R2011	VRS-CB1JF101JY	J	100	1/16W	Metal Oxide	AA
R2012	VRS-CA1JF101JY	J	100	1/16W	Metal Oxide	AA
R2013	VRS-CA1JF223JY	J	22k	1/16W	Metal Oxide	AA
R2014	VRS-CA1JF101JY	J	100	1/16W	Metal Oxide	AA
R2015	VRS-CB1JF100JY	J	10	1/16W	Metal Oxide	AA
R2017	VRS-CA1JF102JY	J	1k	1/16W	Metal Oxide	AA
R2018	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2019	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R2020	VRS-CY1JF105JY	J	1M	1/16W	Metal Oxide	AA
R2021	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2022	VRS-CB1JF101JY	J	100	1/16W	Metal Oxide	AA
R2025	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2026	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2027	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R2028	VRS-CB1JF101JY	J	100	1/16W	Metal Oxide	AA
R2029	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R2030	VRS-CA1JF333JY	J	33k	1/16W	Metal Oxide	AA
R2031	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R2032	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R2033	VRS-CB1JF101JY	J	100	1/16W	Metal Oxide	AA
R2035	VRS-CY1JF393JY	J	39k	1/16W	Metal Oxide	AA
R2036	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2037	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2038	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R2039	VRS-CA1JF103JY	J	10k	1/16W	Metal Oxide	AA
R2041	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2042	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2043	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R2044	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R2052	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R2064	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R2068	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2072	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2078	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R3700	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R3701	VRS-TW2ED1R0JY	J	1	1/4W	Metal Oxide	AB
R3702	VRS-TW2ED102JY	J	1k	1/4W	Metal Oxide	AA
R3703	VRS-CY1JF274JY	J	270k	1/16W	Metal Oxide	AA
R3704	VRS-CY1JF133FY	J	13k	1/16W	Metal Oxide	AA
R3705	VRS-CY1JF184JY	J	180k	1/16W	Metal Oxide	AA
R3706	VRS-CY1JF100JY	J	10	1/16W	Metal Oxide	AA
R3707	VRS-CY1JF105JY	J	1M	1/16W	Metal Oxide	AA
R3708	VRS-CY1JF682JY	J	6.8k	1/16W	Metal Oxide	AA
R3709	VRS-CY1JF272FY	J	2.7k	1/16W	Metal Oxide	AA
R3710	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R3711	VRS-CY1JF152FY	J	1.5k	1/16W	Metal Oxide	AA
R3712	VRS-CY1JF683FY	J	68k	1/16W	Metal Oxide	AA
R3713	VRS-CY1JF563FY	J	56k	1/16W	Metal Oxide	AA
R3714	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R3715	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3716	VRS-TX2HF000JY	J	0	1/2W	Metal Oxide	AB
R3718	VRS-CE3AF821JY	J	820	1W	Metal Oxide	AC
R3721	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3722	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3724	VRS-CY1JF1R0JY	J	1	1/16W	Metal Oxide	AA
R3725	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3726	VRS-TQ2BD683JY	J	68k	1/8W	Metal Oxide	AA
R3727	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3728	VRS-CY1JF393JY	J	39k	1/16W	Metal Oxide	AA
R3729	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3730	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R3731	VRS-CY1JF222JY	J	2.2k	1/16W	Metal Oxide	AA
R3732	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3733	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3734	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R3735	VRS-CY1JF123FY	J	12k	1/16W	Metal Oxide	AA
R3736	VRS-CY1JF223FY	J	22k	1/16W	Metal Oxide	AA
R3737	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3738	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R3739	VRS-CY1JF622FY	J	6.2k	1/16W	Metal Oxide	AA
R3740	VRS-CY1JF473FY	J	47k	1/16W	Metal Oxide	AA
R3741	VRS-CY1JF113FY	J	11k	1/16W	Metal Oxide	AA
R3742	VRS-CY1JF182FY	J	1.8k	1/16W	Metal Oxide	AA
R3743	VRS-CY1JF122FY	J	1.2k	1/16W	Metal Oxide	AA
R3745	VRS-CY1JF682FY	J	6.8k	1/16W	Metal Oxide	AA
R3746	VRS-CY1JF122FY	J	1.2k	1/16W	Metal Oxide	AA
R3749	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3750	VRS-CY1JF391JY	J	390	1/16W	Metal Oxide	AA
R3751	VRS-TV1JD103JY	J	10k	1/10W	Metal Oxide	AA
R3752	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3759	VRS-TW2ED102JY	J	1k	1/4W	Metal Oxide	AA
R3762	VRS-TW2ED561JY	J	560	1/4W	Metal Oxide	AA
R3766	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R7003	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R7018	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R7020	VRS-CB1JF000JY	J	0	1/16W	Metal Oxide	AC
R7021	VRS-CB1JF000JY	J	0	1/16W	Metal Oxide	AC
R7022	VRS-CB1JF000JY	J	0	1/16W	Metal Oxide	AC
R7023	VRS-CB1JF000JY	J	0	1/16W	Metal Oxide	AC
R7024	VRS-CA1JF000JY	J	0	1/16W	Metal Oxide	AB

MISCELLANEOUS PARTS

FB801	RBLN-0090CEZZY	J	Ferrite Bead	AD
FB802	RBLN-0090CEZZY	J	Ferrite Bead	AD
FB1201	RBLN-0090CEZZY	J	Ferrite Bead	AD
FB1202	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1203	RBLN-0076TAZZY	J	Ferrite Bead	AC
FB3700	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB3701	RBLN-0095CEZZY	J	Ferrite Bead	AD
FB3704	RBLN-0051TAZZY	J	Ferrite Bead	AC
FB3705	RBLN-0051TAZZY	J	Ferrite Bead	AC
FB3706	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB3707	RBLN-0254TAZZY	J	Ferrite Bead	AB
FB3708	RBLN-0051TAZZY	J	Ferrite Bead	AC
FB3709	RBLN-0095CEZZY	J	Ferrite Bead	AD
P2002	QPLGN1320REZZ	J	Plug, 13-pin(MC)	AC
P2003	QPLGN1258REZZY	J	Plug, 12-pin(MS)	AE
P3702	QPLGN1178GEZZ	J	Plug, 11-pin(MB)	AC
SC1201	QSOCNA002WJPZY	J	Socket, 20-pin(LK)	AD
SC1202	QSOCN0687FJZZY	J	Socket, 50-pin(LS)	AF
SC1203	QSOCN0206FJZZY	J	Socket, 30-pin(LG)	AF
SC2001	QSOCN0464FJZZY	J	Socket, 50-pin(MA)	AH
SC2002	QSOCN0487FJZZY	J	Socket, 20-pin(MT)	AE

DUNTKB152DE07 (LC-13E1E)
DUNTKB152DE08 (LC-15E1E)
TUNER UNIT

TUNER

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

Ref. No.	Part No.	★	Description	Code
TU1	VTUVT4T5FD531	J	Tuner	BL

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC304	VHiBH3543F+-1Y	J	Bh3543F-E2	AE
IC1601	VHiSDA5550M-1Q	J	SDA5550M	AZ
IC1602	RH-iXA134WJN2Q	J	MBM29DL400TC	AY
IC1603	VHi62S8308X-1Q	J	A62S8308X-70SI	AY
IC1604	VHiMM1501XN-1Y	J	MM1501XNRE	AE
IC1605	VHi7WH157FK-1Y	J	TC7Wh157FK	AF
IC1606	VHiBA033FP/-1Y	J	BA033FP-E2	AG
IC1607	VHiPST9121N-1Y	J	IC-PST9121NR	AE
IC1608	VHiLVC157T+-1Y	J	SN74LVC157APWR	AF
IC1609	VHiLVC04AT+-1Y	J	SN74LVC04APWR	AE
IC1610	VHiBA05FP++-1Y	J	BA05FP-E2	AF
IC1611	VHiPST9128N-1Y	J	IC-PST9128NR	AE
IC1612	VHiTC7SZ08U-1Y	J	TC7SZ08FU	AE
IC1613	VHiBA025FP+-1Y	J	BA25BC0FP-E2	AG
IC1614	VHiTCVHC08T-1Y	J	TC74VHC08FT	AF
IC1615	VHi74LVX86T-1Y	J	TC74LVX86FT	AF
IC1616	VHiNC7SZ58P-1Y	J	NC7SZ58P6X	AE
IC1619	VHiTK15420/-1Y	J	TK15420MTL	AG
IC1620	VHiTK15420/-1Y	J	TK15420MTL	AG
IC1901	RH-iX1853BMZZQ	J	I.C.	BB
IC1902	VHiNJM4560M-1Y	J	NJM4560M	AG
IC1903	VHiNJM4560M-1Y	J	NJM4560M	AG
IC2200	VHiMM1506XN-1Y	J	MM1506XNRE	AD
IC3101	VHiBU4053V/-1Y	J	BU4053BCFV-E2	AE
IC3305	VHiLA4635A+-1S	J	LA4635A	AM
IC3500	VHiNJM4560M-1Y	J	NJM4560M	AG

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q302	VSDTC144EKA-1Y	J	DTC144EKA	AB
Q1606	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1607	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1608	VSDTC144TE/-1Y	J	DTC144TE	AB
Q1612	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1631	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1632	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1633	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2200	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2201	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2202	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2203	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2204	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q2205	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3010	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q3304	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3305	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3306	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3307	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3308	VSDTA144EE/-1Y	J	DTA144EE	AA
Q3600	VSUPA606T//-1Y	J	UPA606T	AD
Q3601	VSUPA606T//-1Y	J	UPA606T	AD
Q3650	VSDTC114YE/-1Y	J	DTC114YE	AB
Q3906	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3907	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3908	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3909	VSDTC314TK/-1Y	J	DTC314TK	AC
Q3910	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3911	VS2SA1530AR-1Y	J	2SA1530AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D301	VHDMA3120WA-1Y	J	Diode	AD
D302	VHDMA3120WA-1Y	J	Diode	AD
D303	VHDDAN222//-1Y	J	Diode	AA
D2200	RH-EX1264CEZZY	J	Zener Diode, 9V	AB
D2201	RH-EX0906CEZZY	J	Zener Diode, 30V	AD
D3301	VHDDAN222//-1Y	J	Diode	AA
D3302	RH-EX1396CEZZY	J	Zener Diode, 6.8V	AB
D3403	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3404	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3412	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3493	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3600	VHDiMN10///-1Y	J	Diode	AB
D3601	VHDiMN10///-1Y	J	Diode	AB
D3604	VHDiMN10///-1Y	J	Diode	AB
D3605	VHDiMN10///-1Y	J	Diode	AB
D3902	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB
D3905	VHDDAN222//-1Y	J	Diode	AA
D3908	RH-EX1247CEZZY	J	Zener Diode, 5.8V	AB
D3911	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3912	VHDDAN222//-1Y	J	Diode	AA
D5701	RH-EX1271CEZZY	J	Zener Diode, 12V	AB

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X1601	RCRSB0202GEZZ+	J	Crystal, 6MHz	AG
X1901	RCRSB0250GEZZ+	J	Crystal, 18.432MHz	AG

COILS

Ref. No.	Part No.	★	Description	Code
L1601	VP-1M270J3R8NY	J	Peaking 27µH	AC
L1901	VP-1M4R7J1R2NY	J	Peaking 4.7µH	AB
L1902	VP-1M101J7R7NY	J	Peaking 100µH	AC
L2200	VP-1M4R7J1R2NY	J	Peaking 4.7µH	AB
L2201	VP-1M2R7JR85NY	J	Peaking 2.7µH	AB
L2202	VP-1M4R7J1R2NY	J	Peaking 4.7µH	AB
L2203	VP-1M3R3JR93NY	J	Peaking 3.3µH	AB
L2204	VP-1M5R6J1R2NY	J	Peaking 5.6µH	AB
L2205	VP-1M3R3JR93NY	J	Peaking 3.3µH	AB
L2206	VP-1M4R7J1R2NY	J	Peaking 4.7µH	AB
L2207	VP-1M2R7JR85NY	J	Peaking 2.7µH	AB
L2208	VP-1M4R7J1R2NY	J	Peaking 4.7µH	AB
L2210	VP-1M100J1R6NY	J	Peaking 10µH	AB
L3202	RCiLC0141CEZZY	J	Coil	AF

CAPACITORS

Ref. No.	Part No.	★				Code
C334	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C335	VCKYCY1HB682KY	J	6800p	50V	Ceramic	AA
C336	VCKYCY1HB682KY	J	6800p	50V	Ceramic	AA
C338	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C339	VCEAPF0JW476MY	J	47	6.3V	Electrolytic	AB
C340	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C341	VCEAPF1CW476MY	J	47	16V	Electrolytic	AC
C342	VCEAPF1CW476MY	J	47	16V	Electrolytic	AC
C343	VCEAPF1HW225MY	J	2.2	50V	Electrolytic	AB
C344	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C1601	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C1602	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1603	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C1604	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C1605	VCE9PF0JW226MY	J	22	6.3V	Elect. (N.P)	AD
C1606	VCEAPF1EW106MY	J	10	25V	Electrolytic	AC
C1608	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C1609	VCKYCY1CF334ZY	J	0.33	16V	Ceramic	AB
C1610	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1611	VCEAPF0JW476MY	J	47	6.3V	Electrolytic	AB
C1612	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C1613	VCEAPF1CW226MY	J	22	16V	Electrolytic	AB
C1614	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C1616	VCCCCY1HH181JY	J	180p	50V	Ceramic	AA
C1617	VCEAPF0JW226MY	J	22	6.3V	Electrolytic	AB
C1618	VCEAPF0JW476MY	J	47	6.3V	Electrolytic	AB
C1619	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1621	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1622	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1623	VCE9PF0JW226MY	J	22	6.3V	Elect. (N.P)	AD
C1624	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1625	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1626	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1627	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C1628	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1631	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1633	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA
C1634	VCCCCY1HH330JY	J	33p	50V	Ceramic	AA

DUNTKB152DE07 (LC-13E1E)
DUNTKB152DE08 (LC-15E1E)
TUNER UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C1635	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1636	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1637	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1638	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1639	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1640	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1641	VCEAPF0JW226MY	J	22	6.3V	Electrolytic	AB
C1642	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1644	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1645	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1646	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1647	VCKYCY1CF334ZY	J	0.33	16V	Ceramic	AB
C1648	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1649	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1650	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1653	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1655	VCE9PF0JN226MY	J	22	6.3V	Elect. (N.P)	AD
C1656	VCE9PF0JN226MY	J	22	6.3V	Elect. (N.P)	AD
C1657	VCE9PF0JN226MY	J	22	6.3V	Elect. (N.P)	AD
C1658	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1659	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1660	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1661	VCEAPF1CW107MY	J	100	16V	Electrolytic	AC
C1662	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C1663	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C1664	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C1665	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C1666	VCCCCY1HH221JY	J	220p	50V	Ceramic	AA
C1667	VCCCCY1HH221JY	J	220p	50V	Ceramic	AA
C1668	VCCCCY1HH221JY	J	220p	50V	Ceramic	AA
C1900	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1901	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1902	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1903	VCKYCY1HB562KY	J	5600p	50V	Ceramic	AA
C1904	VCKYCY1EB153KY	J	0.015 (LC-15E1E)	25V	Ceramic	AA
C1904	VCKYCY1HB153KY	J	0.015 (LC-13E1E)	50V	Ceramic	AA
C1905	VCKYCY1HB682KY	J	6800p	50V	Ceramic	AA
C1906	VCKYCY1HB682KY	J	6800p	50V	Ceramic	AA
C1907	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C1908	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C1909	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1910	VCEASH1CN157MY	J	150	16V	Electrolytic	AC
C1911	VCEAPF1HW335MY	J	3.3	50V	Electrolytic	AC
C1912	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1913	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C1914	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C1915	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C1916	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C1917	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1918	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C1919	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB
C1920	VCCCCY1HH560JY	J	56p	50V	Ceramic	AB
C1921	VCCCCY1HH560JY	J	56p	50V	Ceramic	AB
C1922	VCCCCY1HH560JY	J	56p	50V	Ceramic	AB
C1923	VCCCCY1HH5R0CY	J	5.0p	50V	Ceramic	AA
C1924	VCCCCY1HH5R0CY	J	5.0p	50V	Ceramic	AA
C1925	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1926	VCEASH1CN157MY	J	150	16V	Electrolytic	AC
C1928	VCEASH1CN157MY	J	150	16V	Electrolytic	AC
C1929	VCEASH1CN157MY	J	150	16V	Electrolytic	AC
C1930	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C1931	VCKYCY1HB561KY	J	560p	50V	Ceramic	AA
C1932	VCKYCY1HB561KY	J	560p	50V	Ceramic	AA
C1933	VCKYCY1HB562KY	J	5600p	50V	Ceramic	AA
C1935	RC-EZ1339CEZZY	J	220	16V	Electrolytic	AD
C1936	VCEAPF1HW225MY	J	2.2	50V	Electrolytic	AB
C1937	VCEAPF1HW225MY	J	2.2	50V	Electrolytic	AB
C1938	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C1939	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C1940	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C1941	VCEAPF1EW475MY	J	4.7	25V	Electrolytic	AB
C1942	VCEAPF1EW475MY	J	4.7	25V	Electrolytic	AB
C1943	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1944	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1945	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1946	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C1947	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C1948	VCKYCY1EB153KY	J	0.015 (LC-15E1E)	25V	Ceramic	AA
C1948	VCKYCY1HB153KY	J	0.015 (LC-13E1E)	50V	Ceramic	AA
C1960	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C1961	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C2200	VCEASH1CN477MY	J	470	16V	Electrolytic	AD
C2201	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2202	VCCCCY1HH560JY	J	56p	50V	Ceramic	AB
C2203	VCCCCY1HH560JY	J	56p	50V	Ceramic	AB
C2204	VCCCCY1HH271JY	J	270p	50V	Ceramic	AA
C2205	VCCCCY1HH121JY	J	120p	50V	Ceramic	AA
C2206	VCCCCY1HH820JY	J	82p	50V	Ceramic	AA
C2207	VCCCCY1HH180JY	J	18p	50V	Ceramic	AA
C2208	VCCCCY1HH151JY	J	150p	50V	Ceramic	AA
C2209	VCCCCY1HH121JY	J	120p	50V	Ceramic	AA
C2210	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2211	VCEAPF1CW476MY	J	47	16V	Electrolytic	AC
C2212	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2213	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2214	VCEAPF0JW107MY	J	100	6.3V	Electrolytic	AC
C2215	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C2216	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C2217	VCEASH0JN477MY	J	470	6.3V	Electrolytic	AD
C2218	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2219	VCKYCY1HF103ZY	J	0.01	50V	Ceramic	AA
C2220	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C2221	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2222	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C2223	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2224	VCKYCY1HB103KY	J	0.01	50V	Ceramic	AA
C2225	VCEAPF1HW105MY	J	1	50V	Electrolytic	AB
C2226	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2227	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C2228	VCE9PF1CW106MY	J	10	16V	Elect. (N.P)	AC
C2229	VCCCCY1HH331JY	J	330p	50V	Ceramic	AA
C3201	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3202	RC-EZ1351CEZZ	J	3300	6.3V	Electrolytic	AF
C3359	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C3360	VCEAPF1CW107MY	J	100	16V	Electrolytic	AC
C3361	VCEAPF1HW105MY	J	1	50V	Electrolytic	AB
C3362	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C3363	VCEAPF1HW225MY	J	2.2	50V	Electrolytic	AB
C3364	VCEAPF1HW105MY	J	1	50V	Electrolytic	AB
C3365	VCKYCY1HB102KY	J	1000p	50V	Ceramic	AA
C3366	VCEAPF1HW225MY	J	2.2	50V	Electrolytic	AB
C3367	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C3368	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C3369	RC-EZ1274CEZZ	J	1000	16V	Electrolytic	AD
C3370	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C3372	RC-EZ1274CEZZ	J	1000	16V	Electrolytic	AD
C3375	RC-EZ1274CEZZ	J	1000	16V	Electrolytic	AD
C3376	RC-EZ1274CEZZ	J	1000	16V	Electrolytic	AD
C3500	VCKYCY1HB682KY	J	6800p	50V	Ceramic	AA
C3501	VCKYCY1HB682KY	J	6800p	50V	Ceramic	AA
C3502	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C3503	VCKYTV1CF105ZY	J	1	16V	Ceramic	AB
C3504	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C3505	VCEAPF1EW475MY	J	4.7	25V	Electrolytic	AB
C3506	VCEAPF1EW475MY	J	4.7	25V	Electrolytic	AB
C3507	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C3508	VCEASH1CN157MY	J	150	16V	Electrolytic	AC
C3517	VCKYCY1EB223KY	J	0.022	25V	Ceramic	AA
C3518	VCKYCY1EB223KY	J	0.022	25V	Ceramic	AA
C3525	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C3526	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C3600	VCKYTQ1EF105ZY	J	1	25V	Ceramic	AD

DUNTKB152DE07 (LC-13E1E)
DUNTKB152DE08 (LC-15E1E)
TUNER UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C3601	VCKYTQ1EF105ZY	J	1	25V	Ceramic	AD
C3602	VCKYTQ1EF105ZY	J	1	25V	Ceramic	AD
C3603	VCKYTQ1EF105ZY	J	1	25V	Ceramic	AD
C3900	VCCCCY1HH221JY	J	220p	50V	Ceramic	AA
C3901	VCCCCY1HH221JY	J	220p	50V	Ceramic	AA
C3902	VCCCCY1HH221JY	J	220p	50V	Ceramic	AA
C3903	VCCCCY1HH221JY	J	220p	50V	Ceramic	AA
C3954	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C3955	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C3956	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C3957	VCCCCY1HH101JY	J	100p	50V	Ceramic	AA
C3958	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C3959	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C3960	VCEAPF1CW106MY	J	10	16V	Electrolytic	AB
C3961	VCEAPF1CW476MY	J	47	16V	Electrolytic	AC
C3962	VCEAPF1CW476MY	J	47	16V	Electrolytic	AC
C3995	VCKYCY1EF104ZY	J	0.1	25V	Ceramic	AA
C5001	VCKYCY1HB222KY	J	2200p	50V	Ceramic	AA
C5002	VCKYCY1HB222KY	J	2200p	50V	Ceramic	AA

RESISTORS

R345	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R346	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R347	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R350	VRS-CY1JF392JY	J	3.9k	1/16W	Metal Oxide	AA
R351	VRS-CY1JF392JY	J	3.9k	1/16W	Metal Oxide	AA
R352	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R353	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R354	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R355	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R358	VRS-CY1JF123JY	J	12k	1/16W	Metal Oxide	AA
R1602	VRS-CY1JF202JY	J	2k	1/16W	Metal Oxide	AA
R1603	VRS-CY1JF202JY	J	2k	1/16W	Metal Oxide	AA
R1605	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R1609	VRS-CY1JF681JY	J	680	1/16W	Metal Oxide	AA
R1610	VRS-TX2HF2R2JY	J	2.2	1/2W	Metal Oxide	AB
R1613	VRS-CY1JF132JY	J	1.3k	1/16W	Metal Oxide	AG
R1618	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1620	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R1621	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R1622	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1626	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1627	VRS-CY1JF102FY	J	1k	1/16W	Metal Oxide	AA
R1628	VRS-CY1JF681FY	R	680	1/16W	Metal Oxide	AA
R1629	VRS-CY1JF681FY	R	680	1/16W	Metal Oxide	AA
R1630	VRS-CY1JF102FY	J	1k	1/16W	Metal Oxide	AA
R1631	VRS-CY1JF472FY	J	4.7k	1/16W	Metal Oxide	AA
R1632	VRS-CY1JF472FY	J	4.7k	1/16W	Metal Oxide	AA
R1633	VRS-CY1JF472FY	J	4.7k	1/16W	Metal Oxide	AA
R1636	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R1637	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R1638	VRS-CY1JF332FY	J	3.3k	1/16W	Metal Oxide	AA
R1639	VRS-CY1JF152FY	J	1.5k	1/16W	Metal Oxide	AA
R1642	VRS-CY1JF221JY	J	220	1/16W	Metal Oxide	AA
R1643	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R1644	VRS-CY1JF393FY	J	39k	1/16W	Metal Oxide	AA
R1650	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R1651	VRS-CY1JF561JY	J	560	1/16W	Metal Oxide	AA
R1652	VRS-CY1JF561JY	J	560	1/16W	Metal Oxide	AA
R1653	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1655	VRS-CY1JF221JY	J	220	1/16W	Metal Oxide	AA
R1656	VRS-CY1JF221JY	J	220	1/16W	Metal Oxide	AA
R1659	VRS-CY1JF222JY	J	2.2k	1/16W	Metal Oxide	AA
R1661	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R1662	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1663	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1664	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1665	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1668	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R1669	VRS-CB1JF332JY	J	3.3k	1/16W	Metal Oxide	AC
R1670	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R1671	VRS-CY1JF183FY	J	18k	1/16W	Metal Oxide	AA
R1675	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R1683	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R1684	VRS-CY1JF333FY	J	33k	1/16W	Metal Oxide	AA
R1685	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1686	VRS-CY1JF472FY	J	4.7k	1/16W	Metal Oxide	AA
R1687	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R1688	VRS-CY1JF223FY	J	22k	1/16W	Metal Oxide	AA
R1689	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R1690	VRS-CY1JF183FY	J	18k	1/16W	Metal Oxide	AA
R1691	VRS-CY1JF472FY	J	4.7k	1/16W	Metal Oxide	AA
R1692	VRS-CY1JF333FY	J	33k	1/16W	Metal Oxide	AA
R1693	VRS-CY1JF223FY	J	22k	1/16W	Metal Oxide	AA
R1694	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1695	VRS-CY1JF183FY	J	18k	1/16W	Metal Oxide	AA
R1696	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1697	VRS-CY1JF223FY	J	22k	1/16W	Metal Oxide	AA
R1698	VRS-CY1JF472FY	J	4.7k	1/16W	Metal Oxide	AA
R1699	VRS-CY1JF333FY	J	33k	1/16W	Metal Oxide	AA
R1901	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1902	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1903	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1905	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1906	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R1907	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1908	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1913	VRS-CY1JF105JY	J	1 M	1/16W	Metal Oxide	AA
R1914	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1915	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1916	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1917	VRS-CY1JF103FY	J	10k	1/16W	Metal Oxide	AA
R1918	VRS-CY1JF102FY	J	1k	1/16W	Metal Oxide	AA
R1919	VRS-CY1JF272FY	J	2.7k	1/16W	Metal Oxide	AA
R1920	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R1921	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R1923	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R1925	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R1930	VRS-CY1JF153JY	J	15k	1/16W	Metal Oxide	AA
R1931	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R1932	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R1933	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R1934	VRS-CY1JF122JY	J	1.2k	1/16W	Metal Oxide	AA
R1935	VRS-CY1JF122JY	J	1.2k	1/16W	Metal Oxide	AA
R1936	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R1937	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R1938	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R1939	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R1941	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1942	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1943	VRS-CA1JF102JY	J	1k	1/16W	Metal Oxide	AA
R1944	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R1945	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R1946	VRS-CY1JF102FY	J	1k	1/16W	Metal Oxide	AA
R1947	VRS-CY1JF272FY	J	2.7k	1/16W	Metal Oxide	AA
R1948	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R1950	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R2200	VRS-TX2HF1R0JY	J	1	1/2W	Metal Oxide	AB
R2201	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R2202	VRS-CY1JF222JY	J	2.2k	1/16W	Metal Oxide	AA
R2203	VRS-CY1JF222JY	J	2.2k	1/16W	Metal Oxide	AA
R2204	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R2205	VRS-CY1JF221JY	J	220	1/16W	Metal Oxide	AA
R2206	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R2207	VRS-CY1JF681JY	J	680	1/16W	Metal Oxide	AA
R2208	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R2209	VRS-CY1JF181JY	J	180	1/16W	Metal Oxide	AA
R2210	VRS-CY1JF561JY	J	560	1/16W	Metal Oxide	AA
R2211	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R2212	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R2213	VRS-CY1JF221JY	J	220	1/16W	Metal Oxide	AA
R2214	VRS-CY1JF152JY	J	1.5k	1/16W	Metal Oxide	AA
R2215	VRS-CY1JF222JY	J	2.2k	1/16W	Metal Oxide	AA
R2216	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R2217	VRS-CY1JF222JY	J	2.2k	1/16W	Metal Oxide	AA
R2218	VRS-CY1JF221JY	J	220	1/16W	Metal Oxide	AA

DUNTKB152DE07 (LC-13E1E)
DUNTKB152DE08 (LC-15E1E)
TUNER UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R2219	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R2221	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2222	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2223	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R2224	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R2225	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2226	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R2227	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R2228	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R2229	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R2230	VRS-TX2HF471JY	J	470	1/2W	Metal Oxide	AB
R2231	VRS-TW2ED000JY	J	0	1/4W	Metal Oxide	AB
R3100	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3356	VRS-CY1JF153JY	J	15k	1/16W	Metal Oxide	AA
R3357	VRS-TX2HF000JY	J	0	1/2W	Metal Oxide	AB
R3358	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R3360	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3361	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3362	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3363	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3364	VRS-CY1JF122JY	J	1.2k	1/16W	Metal Oxide	AA
R3365	VRS-CY1JF682JY	J	6.8k (LC-15E1E)	1/16W	Metal Oxide	AA
R3365	VRS-CY1JF822JY	J	8.2k (LC-13E1E)	1/16W	Metal Oxide	AA
R3366	VRS-CY1JF682JY	J	6.8k (LC-15E1E)	1/16W	Metal Oxide	AA
R3366	VRS-CY1JF822JY	J	8.2k (LC-13E1E)	1/16W	Metal Oxide	AA
R3368	VRS-CR3AD1R0JY	J	1	1W	Metal Oxide	AC
R3370	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R3371	VRS-CY1JF682JY	J	6.8k	1/16W	Metal Oxide	AA
R3372	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3373	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3374	VRS-TX2HF000JY	J	0	1/2W	Metal Oxide	AB
R3401	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3433	VRS-CY1JF750JY	J	75	1/16W	Metal Oxide	AA
R3455	VRS-CY1JF750JY	J	75	1/16W	Metal Oxide	AA
R3456	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3457	VRS-CY1JF750JY	J	75	1/16W	Metal Oxide	AA
R3458	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3459	VRS-CY1JF750JY	J	75	1/16W	Metal Oxide	AA
R3460	VRS-CY1JF750JY	J	75	1/16W	Metal Oxide	AA
R3461	VRS-CY1JF750JY	J	75	1/16W	Metal Oxide	AA
R3491	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3492	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3494	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3500	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3501	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3504	VRS-CY1JF122JY	J	1.2k	1/16W	Metal Oxide	AA
R3505	VRS-CY1JF682JY	J	6.8k	1/16W	Metal Oxide	AA
R3506	VRS-CY1JF122JY	J	1.2k	1/16W	Metal Oxide	AA
R3507	VRS-CY1JF682JY	J	6.8k	1/16W	Metal Oxide	AA
R3508	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R3509	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R3510	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R3511	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R3512	VRS-CY1JF223JY	J	22k	1/16W	Metal Oxide	AA
R3513	VRS-CY1JF153JY	J	15k	1/16W	Metal Oxide	AA
R3600	VRS-CB1JF222JY	J	2.2k	1/16W	Metal Oxide	AC
R3604	VRS-CB1JF824JY	J	820k	1/16W	Metal Oxide	AC
R3607	VRS-CB1JF562JY	J	5.6k	1/16W	Metal Oxide	AC
R3610	VRS-CY1JF563JY	J	56k	1/16W	Metal Oxide	AA
R3650	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3962	VRS-CY1JF123JY	J	12k	1/16W	Metal Oxide	AA
R3963	VRS-CY1JF123JY	J	12k	1/16W	Metal Oxide	AA
R3964	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3965	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3966	VRS-CY1JF271JY	J	270	1/16W	Metal Oxide	AA
R3967	VRS-CY1JF271JY	J	270	1/16W	Metal Oxide	AA
R3968	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3969	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3970	VRS-CY1JF271JY	J	270	1/16W	Metal Oxide	AA
R3971	VRS-CY1JF271JY	J	270	1/16W	Metal Oxide	AA
R3972	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3973	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3986	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3987	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R3989	VRS-CY1JF153JY	J	15k	1/16W	Metal Oxide	AA
R3991	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3992	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3993	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3994	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R3995	VRS-CY1JF823JY	J	82k	1/16W	Metal Oxide	AA
R3996	VRS-CY1JF102JY	J	1k	1/16W	Metal Oxide	AA
R3997	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3998	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R5001	VRS-TX2HF220JY	J	22	1/2W	Metal Oxide	AB
R5002	VRS-TX2HF220JY	J	22	1/2W	Metal Oxide	AB
R5003	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R5705	VRS-TQ2BD750JY	J	75	1/8W	Metal Oxide	AA
R5706	VRS-TQ2BD750JY	J	75	1/8W	Metal Oxide	AA
R5707	VRS-TQ2BD750JY	J	75	1/8W	Metal Oxide	AA
R5708	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R5709	VRS-CY1JF473JY	J	47k	1/16W	Metal Oxide	AA
R5710	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R5711	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R5712	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R5713	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R5714	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R5715	VRD-RA2BE123JY	J	12k	1/8W	Carbon	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ F1	QFS-C1223CEZZ	J	Fuse, 1.25A/250V	AD
⚠ F2	QFS-C1223CEZZ	J	Fuse, 1.25A/250V	AD
FH1	QFSHD1002CEZZ	J	Fuse Holder	AA
FH2	QFSHD1002CEZZ	J	Fuse Holder	AA
FH3	QFSHD1002CEZZ	J	Fuse Holder	AA
FH4	QFSHD1002CEZZ	J	Fuse Holder	AA
FB1601	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1602	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1604	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1605	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1608	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1609	RBLN-0006TAZZY	J	Ferrite Bead	AB
FB1640	RBLN-0076TAZZY	J	Ferrite Bead	AC
FB1641	RBLN-0076TAZZY	J	Ferrite Bead	AC
FB1672	RBLN-0076TAZZY	J	Ferrite Bead	AC
FB1673	RBLN-0076TAZZY	J	Ferrite Bead	AC
FB1674	RBLN-0076TAZZY	J	Ferrite Bead	AC
FB5001	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB5002	RBLN-0062CEZZY	J	Ferrite Bead	AC
J3702	QJAKE0193CEZZ	J	POWER INPUT	AK
J3902	QJAKE0200CE02	J	AUDIO OUT(R)	AE
J3903	QJAKE0200CE09	J	AUDIO OUT(L)	AE
J5001	QJAKF0060CEZZ	J	AUDIO(L)/(R)(AV-IN2)	AE
J5002	QJAKE0200CE04	J	VIDEO(AV-IN2)	AE
J5003	QJAKJ0047CEZZ	J	Jack, Headphones	AD
P1903	QPLGN1178GEZZ	J	Plug, 11-pin(MB)	AC
P3301	QPLGN0174FJZZY	J	Plug, 2-pin(SL)	AC
P3302	QPLGN0174FJZZY	J	Plug, 2-pin(SR)	AC
P3601	QPLGN0478GEZZ	J	Plug, 4-pin	AB
P3603	QPLGN0378GEZZ	J	Plug, 3-pin(VE)	AB
P3703	QLUGHA001WJZZY	J	Lug	AD
SC1602	QSOCN0487FJZZY	J	Socket, 20-pin(MT)	AE
SC3100	QSOCN0464FJZZY	J	Socket, 50-pin(MA)	AH
SC3903	QSOCZA012WJZZ	J	AV-IN1(21-pin Euro-SCART)	AG
SC5001	QSOCD0456CEZZ	J	S-VIDEO(AV-IN2)	AE
	LANGT9102CEFW	J	Fixing Metal	AF
	PSLDCA005WJZZ	J	Shield	AC
	QCNW-A890WJZZ	J	Connecting Cord	AC

Ref. No.	Part No.	★	Description	Code

DUNTKB153DE07 (LC-13E1E)
DUNTKB153DE08 (LC-15E1E)
INVERTER UNIT

TRANSISTORS

Q6500	VSFZT1053A/-1Y	J	FZT1053A	AG
Q6501	VSFZT1053A/-1Y	J	FZT1053A	AG
Q6502	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q6503	VSFZT1053A/-1Y	J	FZT1053A	AG
Q6504	VSFZT1053A/-1Y	J	FZT1053A	AG
Q6505	VS2SA1530AR-1Y	J	2SA1530AR	AB

DIODES

D6500	VHDiMN10///-1Y	J	Diode	AB

COILS

L6500	RCiLC0107CEZZY	J	Coil	AF
L6501	RCiLC0107CEZZY	J	Coil	AF
L6502	RCiLC0107CEZZY	J	Coil	AF
L6503	RCiLC0107CEZZY	J	Coil	AF

TRANSFORMER

⚠ T6500	RTRNZ0805CEZZQ	J	Transformer		AM
⚠ T6501	RTRNZ0805CEZZQ	J	Transformer		AM
⚠ T6502	RTRNZ0805CEZZQ	J	Transformer		AM
⚠ T6503	RTRNZ0805CEZZQ	J	Transformer		AM

CAPACITORS

C6502	VCKYCY1CB473KY	J	0.047	16V	Ceramic	AA
C6503	VCKYCY1CB473KY	J	0.047	16V	Ceramic	AA
C6504	VCEA4A1CN108M	J	1000	16V	Electrolytic	AD
C6507	VCKYCY1CB473KY	J	0.047	16V	Ceramic	AA
C6508	VCKYCY1CB473KY	J	0.047	16V	Ceramic	AA
C6509	VCEA4A1CN108M	J	1000	16V	Electrolytic	AD
C6510	RC-FZA034WJZZ	J	0.15	250V	Film	AE
C6511	RC-FZA034WJZZ	J	0.15	250V	Film	AE

RESISTORS

R6500	VRS-TW2ED332JY	J	3.3k	1/4W	Metal Oxide	AB
R6501	VRS-TW2ED332JY	J	3.3k	1/4W	Metal Oxide	AB
R6502	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R6503	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA
R6504	VRS-TW2ED332JY	J	3.3k	1/4W	Metal Oxide	AB
R6505	VRS-TW2ED332JY	J	3.3k	1/4W	Metal Oxide	AB
R6506	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R6507	VRS-CY1JF333JY	J	33k	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

⚠ F6500	QFS-C1223CEZZ	J	Fuse, 1.25A/250V	AD
⚠ F6501	QFS-C1223CEZZ	J	Fuse, 1.25A/250V	AD
FH6500	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6501	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6502	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6503	QFSHD1002CEZZ	J	Fuse Holder	AA
P6500	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P6501	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P6502	QPLGN0378GEZZ	J	Plug, 3-pin (VE)	AB

Ref. No.	Part No.	★	Description	Code

DUNTKB155DE07 (LC-13E1E)
DUNTKB155DE08 (LC-15E1E)
R/C, LED UNIT

TRANSISTORS

Q4001	VSDTC144EE/-1Y	J	DTC144EE	AA
Q4003	VSDTC144EE/-1Y	J	DTC144EE	AA
Q4007	VSUMG4N++++-1Y	J	UMG4N++++	AB

DIODES

D4011	RH-PX0419CEZZY	J	Remote Sensor Indicator	AC
D4012	RH-EX1271CEZZY	J	Zener Diode	AB
D4014	RH-PX0421CEZZY	J	Power/Standby Indicator	AD
D4015	RH-EX1271CEZZY	J	Zener Diode	AB
D4022	RH-EX1271CEZZY	J	Zener Diode	AB

CAPACITORS

C4018	RC-KZ1025CEZZY	J	1	10V	Ceramic	AB

RESISTORS

R4001	VRS-CY1JF562JY	J	5.6k	1/16W	Metal Oxide	AA
R4021	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R4023	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R4024	VRS-CY1JF471JY	J	470	1/16W	Metal Oxide	AA
R4029	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

RMC4002	RRMCU0239CEZZ	J	R/C Receiver	AG
P4004	QPLGN0564TAZZY	J	Plug, 5-pin(MR)	AC

Ref. No.	Part No.	★	Description	Code

DUNTKB156DE07 (LC-13E1E)
DUNTKB156DE08 (LC-15E1E)
OPERATION UNIT

DIODES

D4008	RH-EX1283CEZZY	J	Zener Diode	AB
D4009	RH-EX1271CEZZY	J	Zener Diode	AB
D4010	RH-EX1271CEZZY	J	Zener Diode	AB

RESISTORS

R4005	VRS-CY1JF123JY	J	12k	1/16W	Metal Oxide	AA
R4006	VRS-CY1JF822JY	J	8.2k	1/16W	Metal Oxide	AA
R4011	VRS-CY1JF123JY	J	12k	1/16W	Metal Oxide	AA
R4012	VRS-CY1JF822JY	J	8.2k	1/16W	Metal Oxide	AA

SWITCHES

S4701	QSW-P0035GEZZ	J	MAIN POWER	AF
SW4002	QSW-K0108CEZZY	J	CH(▼)	AD
SW4003	QSW-K0108CEZZY	J	CH(▲)	AD
SW4004	QSW-K0108CEZZY	J	MENU	AD
SW4006	QSW-K0108CEZZY	J	TV/VIDEO	AD
SW4007	QSW-K0108CEZZY	J	VOL.(+)	AD
SW4008	QSW-K0108CEZZY	J	VOL.(–)	AD

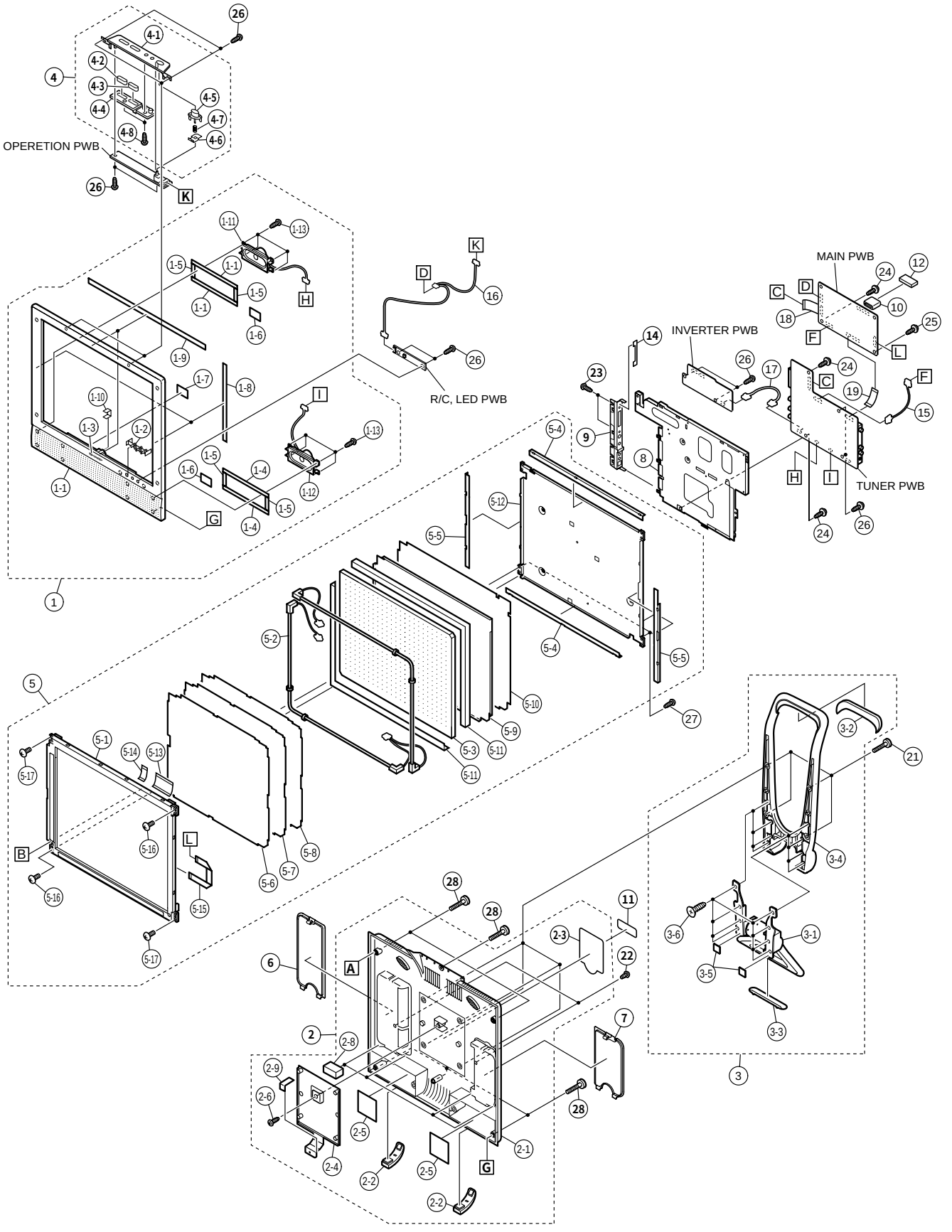
MISCELLANEOUS PARTS

P4001	QPLGN0564TAZZY	J	Plug, 5-pin(MS)	AC

CABINET AND MECHANCAL PARTS
MODEL LC-13E1E

Ref. No.	Part No.	★	Description	Code
1	CCABAA091WJ01	J	Cabinet A Ass'y	BG
1-1	*Not Available*	–	Cabinet	—
1-2	GCOVA2020CEZZ	J	R/C, LED Cover	AF
1-3	*Not Available*	–	Badge, "SHARP"	—
1-4	PSPAGA031WJZZ	J	Spacer, x4	AB
1-5	PSPAGA033WJZZ	J	Spacer, x4	AB
1-6	PSPAHA073WJZZ	J	Spacer, x2	AB
1-7	PSPAH0623CEZZ	J	Spacer, x1	AD
1-8	PSPAH0606CEZZ	J	Spacer, x2	AB
1-9	PSPAH0719CEZZ	J	Spacer, x2	AC
1-10	QEARZ0047CEZZ	J	Earthe Angle	AC
1-11	VSP7530PB588B		Speaker(L)	AQ
1-12	VSP7530PB598B	J	Speaker(R)	AQ
1-13	XEBSD30P08000	J	Screw, x6	AA
2	CCABBA057WJ01	J	Cabinet B Ass'y	BA
2-1	*Not Available*	–	Cabinet B	—
2-2	GLEGGA009WJSA	J	Leg, x2	AG
2-3	HiNDPA109WJSA	J	Model Label	AG
2-4	LANGTA013WJFW	J	Reinforcement Angle	AN
2-5	PSPAGA043WJZZ	J	Spacer, x2	AC
2-6	XEBSD30P08000	J	Screw, x1	AA
3	CDAi-A021WJ01	J	Stand Ass'y	BF
3-1	*Not Available*	–	Stand, Base	—
3-2	GCOVA1945CESA	J	Stand Grip	AK
3-3	GLEGGA004WJSA	J	Leg, x1	AH
3-4	JHNDP0105CESA	J	Stand Handle	AW
3-5	PSPAZ0415CEZZ	J	Cushion Spacer, x2	AB
3-6	XESSN40P10000	J	Screw, x8	AB
4	CCOVAA126WJ01	J	Top Cover Ass'y	AR
4-1	*Not Available*	–	Top Cover	—
4-2	GCOVA1943CEKA	J	Button Cover(VOL)	AD
4-3	GCOVA1943CEKB	J	Button Cover(CH)	AD
4-4	JBTN-A012WJKA	J	Operation Button	AE
4-5	JBTN-2076CEKA	J	Power Button	AE
4-6	LHLDZA027WJKZ	J	Power Button Holder	AE
4-7	MSPRCA008WJFW	J	Power Button Spring	AB
4-8	XEBSD30P08000	J	Screw, x2	AA
5	*Not Available*	–	13" LCD Panel Unit Ass'y	—
5-1	RLCDTA012WJZZ	J	13" LCD Panel	CV
⚠ 5-2	KLMP-0120CEZZ	J	Lamp Unit	BD
5-3	PGiDM0069CEZZ	J	Light Guide Panel	AZ
5-4	PMiR-0292CEZZ	J	Reflection Mirror, x2	AG
5-5	PMiR-0293CEZZ	J	Reflection Mirror, x2	AF
5-6	PSHEP0276CEZZ	J	Reflection/Deflection Sheet	BB
5-7	PSHEP0277CEZZ	J	Prism Sheet	AV
5-8	PSHEP0278CEZZ	J	Diffusion Sheet	AL
5-9	PSHEP0279CEZZ	J	Lamp Reflection Sheet-1	AG
5-10	PSHEP0280CEZZ	J	Lamp Reflection Sheet-2	AG
5-11	PSHEP0306CEZZ	J	Lamp Reflection Sheet (Cover), x2	AC
5-12	PSLDMA024WJFW	J	Shielding Plate	AQ
5-13	QCNW-6068CEZZ	J	Connecting Cord (LS)	AD
5-14	QCNW-6065CEZZ	J	Connecting Cord (LK)	AC
5-15	QCNW-6066CEZZ	J	Connecting Cord (LG)	AE
5-16	XBBSD30P05000	J	Screw, x2	AA
6	GCOVAA078WJKA	J	Terminal Cover(L)	AL
7	GCOVAA079WJKA	J	Terminal Cover(S)	AH
8	GCOVA2118CEKA	J	Chassis Frame	AG
9	GCOVAA128WJKA	J	Chassis Frame Cover	AP
10	RCORFA009WJZZ	J	Core	AH
11	TLABNA071WJZZ	J	Serial No. Label (LC-13E1E)	AC
11	TLABNA072WJZZ	J	Serial No. Label (LC-13E1E(K))	AC
12	PSPAGA033WJZZ	J	Spacer, x1	AB
14	LANGK0782CEFW	J	Fixing Metal	AF
15	QCNW-A302WJZZ	J	Connecting Cord(MB)	AG
16	QCNW-A305WJZZ	J	Connecting Cord(MS/VE)	AH
17	QCNW-A385WJZZ	J	Connecting Cord(VE)	AE
18	QCNW-A386WJZZ	J	Connecting Cord(MA)	AD
19	QCNW-A653WJZZ	J	Connecting Cord(MT)	AD
21	LX-BZ3442CEFF	J	Screw, x4	AB
22	XBBSF30P05000	J	Screw, x2	AB
23	XBBSF30P08000	J	Screw, x2	AA
24	XBPSN30P09JS0	J	Screw, x3	AB
25	XEBSD30P06000	J	Screw, x1	AA
26	XEBSD30P08000	J	Screw, x10	AA
27	XEBSD30P12000	J	Screw, x2	AA
28	XEBSF30P20000	J	Screw, x6	AB
29	XWHJZ32-05080	J	Washer, x1	AB

CABINET AND MECHANICAL PARTS



CABINET AND MECHANCAL PARTS
MODEL LC-15E1E

Ref. No.	Part No.	★	Description	Code
1	CCABAA089WJ01	J	Cabinet A Ass'y	BH
1-1	*Not Available*	–	Cabinet A	—
1-2	GCOVA2020CEZZ	J	R/C, LED Cover	AF
1-3	*Not Available*	–	Badge, "SHARP"	—
1-4	PSPAGA034WJZZ	J	Spacer, x4	AA
1-5	PSPAGA035WJZZ	J	Spacer, x4	AA
1-7	PSPAHA073WJZZ	J	Spacer, x1	AB
1-8	PSPAHA051WJZZ	J	Spacer, x2	AC
1-9	PSPAHA050WJZZ	J	Spacer, x2	AC
1-10	QEARZ0047CEZZ	J	Earth Angle	AC
1-11	VSP7530PB588B	J	Speaker(L)	AQ
1-12	VSP7530PB598B	J	Speaker(R)	AQ
1-13	XEBSD30P08000	J	Screw, x6	AA
1-14	XEBSD30P08000	J	Screw, x2	AA
2	CCABBA055WJ01	J	Cabinet B Ass'y	BB
2-1	*Not Available*	–	Cabinet B	—
2-2	GLEGGA008WJSA	J	Leg, x2	AF
2-3	HiNDPA107WJSA	J	Model Label	AG
2-4	LANGT9061CEFW	J	Reinforcement Angle	BD
2-5	PSPAGA043WJZZ	J	Spacer, x2	AC
2-6	XEBSD30P08000	J	Screw, x1	AA
2-8	PMLT-A039WJZZ	J	Light Shieling Spacer, x4	
2-9	PSPAHA060WJKZ	J	Spacer, x1	AB
3	CDAi-A023WJ01	J	Stand Ass'y	BF
3-1	*Not Available*	–	Stand, Base	—
3-2	GCOVA1945CESA	J	Stand Grip	AK
3-3	GLEGGA004WJSA	J	Leg, x1	AH
3-4	JHNDP0105CESA	J	Stand Handle	AW
3-5	PSPAZ0415CEZZ	J	Cushion Spacer, x2	AB
3-6	XESSN40P10000	J	Screw, x8	AB
4	CCOVAA126WJ01	J	Top Cover Ass'y	AR
4-1	*Not Available*	–	Top Cover	—
4-2	GCOVA1943CEKA	J	Button Cover(VOL)	AD
4-3	GCOVA1943CEKB	J	Button Cover(CH)	AD
4-4	JBTN-A012WJKA	J	Operation Button	AE
4-5	JBTN-2076CEKA	J	Power Button	AE
4-6	LHLDZA027WJKZ	J	Power Button Holder	AE
4-7	MSPRCA008WJFW	J	Power Button Spring	AB
4-8	XEBSD30P08000	J	Screw, x2	AA
5	*Not Available*	–	15" LCD Panel Unit Ass'y	—
5-1	RLCDTA013WJZZ	J	15" LCD Panel Unit	DB
⚠ 5-2	KLMP-0122CEZZ	J	Lamp Unit	BD
5-3	PGiDM0070CEZZ	J	Light Guide Panel	BA
5-4	PMiR-0294CEZZ	J	Reflection Mirror, x2	AG
5-5	PMiR-0295CEZZ	J	Reflection Mirror, x2	AF
5-6	PSHEP0281CEZZ	J	Reflection/Deflection Sheet	BE
5-7	PSHEP0282CEZZ	J	Prism Sheet	AY
5-8	PSHEP0283CEZZ	J	Diffusion Sheet	AL
5-9	PSHEP0284CEZZ	J	Lamp Reflection Sheet-1	AG
5-10	PSHEP0285CEZZ	J	Lamp Reflection Sheet-2	AG
5-11	PSHEP0307CEZZ	J	Lamp Reflection Sheet (Cover), x2	AC
5-12	PSLDM4689CEFW	J	Shielding Plate	AR
5-13	QCNW-6064CEZZ	J	Connecting Cord (LS)	AD
5-14	QCNW-6065CEZZ	J	Connecting Cord (LK)	AC
5-15	QCNW-A069WJZZ	J	Connecting Cord (LG)	AF
5-16	XBBSD30P05000	J	Screw, x2	AA
5-17	XBBSD30P05000	J	Screw, x2	AA
6	GCOVAA082WJKA	J	Terminal Cover(S)	AH
7	GCOVAA083WJKA	J	Terminal Cover(L)	AK
8	GCOVA2116CEKA	J	Chassis Frame	AP
9	GCOVA2118CEKA	J	Chassis Frame Cover	AG
10	RCORFA009WJZZ	J	Core	AH
11	TLABNA068WJZZ	J	Serial No. Label (LC-15E1E)	AC
11	TLABNA069WJZZ	J	Serial No. Label (LC-15E1E(K))	AC
14	LANGK0782CEFW	J	Fixing Metal	AF
15	QCNW-A302WJZZ	J	Connecting Cord(MB)	AG
16	QCNW-A305WJZZ	J	Connecting Cord(MS/VE)	AH
17	QCNW-A385WJZZ	J	Connecting Cord(VE)	AE
18	QCNW-A386WJZZ	J	Connecting Cord(MA)	AD
19	QCNW-A300WJZZ	J	Connecting Cord(MT)	AC
21	LX-BZ3442CEFF	J	Screw, x4	AB
22	XBBSF30P05000	J	Screw, x2	AB
23	XBBSF30P08000	J	Screw, x4	AA
24	XBPSN30P09JS0	J	Screw, x3	AB
25	XEBSD30P06000	J	Screw, x1	AA
26	XEBSD30P08000	J	Screw, x10	AA
27	XEBSD30P12000	J	Screw, x2	AA
28	XEBSF30P20000	J	Screw, x6	AB
29	XWHJZ32-05080	J	Washer, x1	AB
30	XEBSD30P06000	J	Screw, x1	AA

Ref. No.	Part No.	★	Description	Code

SUPPLIED ACCESSORIES

	LHLDW0109CESA	J	Cable Clamp, x1	AD
⚠	QACCK0006TAZZ	J	AC Cord (LC-13E1E/15E1E)	AL
⚠	QACCK0016TAZZ	J	AC Cord (LC-13E1E(K)/15E1E(K))	AV
	RRMCGA074WJSA	J	Infrared R/C Unit	AU
	TiNS-A140WJZZ	J	Operation Manual	BA
⚠	UADP-A007WJPZ	J	AC Adapter	BG
	TGAN-1688CEN1	J	Guarantee Card (LC-13E1E(K)/15E1E(K))	AN

SERVICE JIGS
(USE FOR SERVICING)

	QCNW-A369WJZZ	J	Extention Cable 50-pin Main (SC2001)-Tuner (SC3100)	AT
	QCNW-A370WJZZ	J	Extention Cable 13-pin Main (SC2002)-Tuner (SC1602)	AT
	QCNW-A371WJZZ	J	Extention Cable 11-pin Main (P3702)-Tuner (P1903)	AW

Ref. No.	Part No.	★	Description	Code

PACKING PARTS
(NOT REPLACEMENT ITEM)

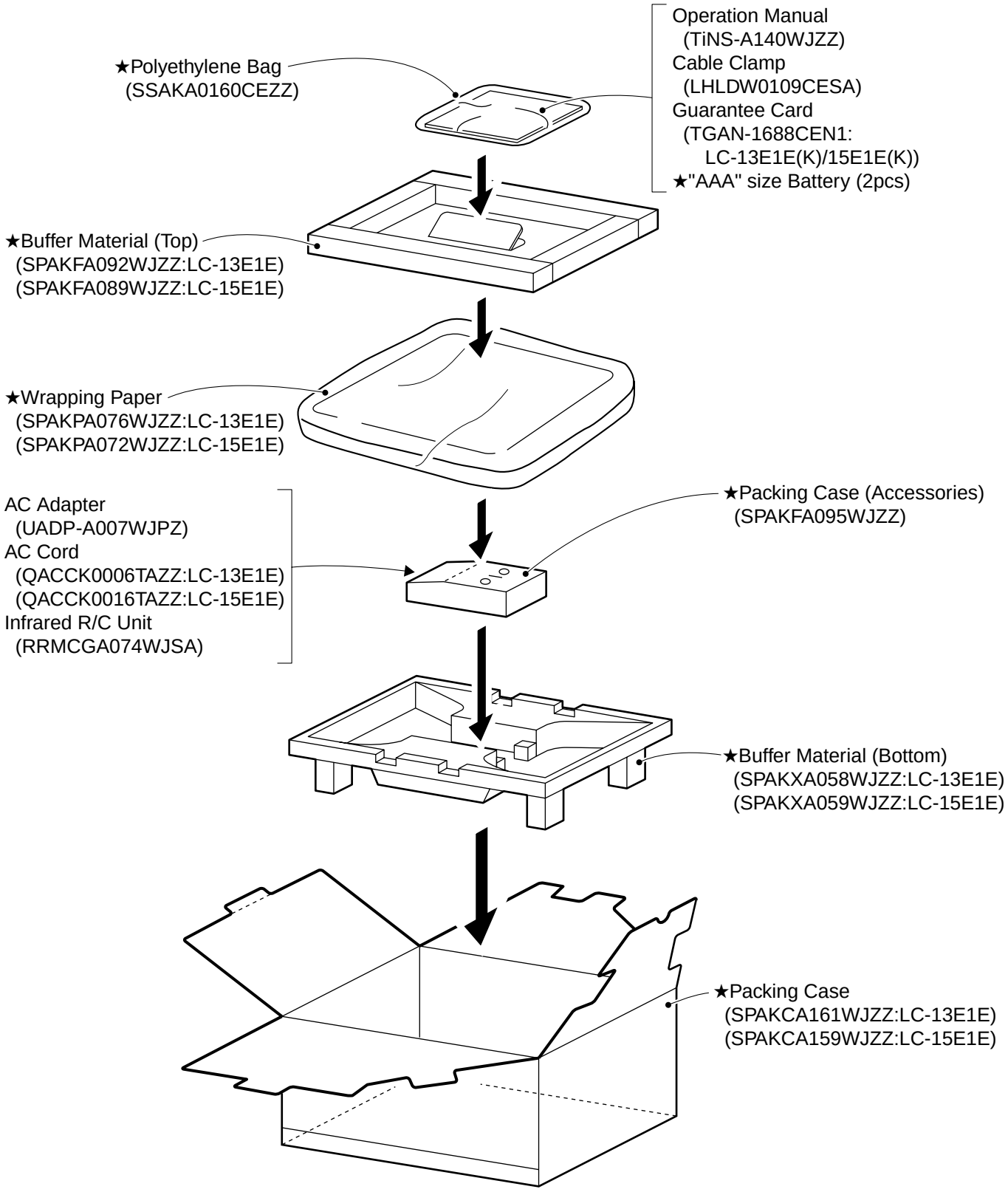
LC-13E1E

SPAKCA161WJZZ	–	Packing Case	—
SPAKFA092WJZZ	–	Buffer Material (Top)	—
SPAKFA095WJZZ	–	Packing Case, for Accessories	—
SPAKPA076WJZZ	–	Wrapping Paper	—
SPAKXA058WJZZ	–	Buffer Material (Bottom)	—
SSAKA0160CEZZ	–	Polyethylene Bag	—
TLABK0001TAZZ	–	No. Label	—

LC-15E1E

SPAKCA159WJZZ	–	Packing Case	—
SPAKFA089WJZZ	–	Buffer Material (Top)	—
SPAKFA095WJZZ	–	Packing Case, for Accessories	—
SPAKPA072WJZZ	–	Wrapping Paper	—
SPAKXA059WJZZ	–	Buffer Material (Bottom)	—
SSAKA0160CEZZ	–	Polyethylene Bag	—
TLABK0001TAZZ	–	No. Label	—

PACKING OF THE SET



★Not Replacement Item

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